

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Organic peroxides—Con. Caprylyl peroxide solution.	Straw-colored liquid with a sharp odor. Burns rapidly and vigorously with increasing intensity. Immiscible with water. Do not stow with explosives, combustible materials, or acids. Keep cool.	Yellow-----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 1 gal. cap. Authorized only for material which will not react dangerously with, or cause decomposition of polyethylene: Fiberboard boxes (ICC-12P) WIC ICC-2U or polyethylene bottles, not over 5 gal. cap. ea. Steel barrels or drums: (ICC-5B, 6J, 87A) STC, WIC, ICC-2S polyethylene, not over 15 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Following barrels and drums authorized for materials which will not react dangerously with the drum's metal, or be decomposed by contact with it: Steel barrels or drums (ICC-17C, 17E) STC, not over 15 gal. cap. Aluminum drums (ICC-42B) not over 15 gal. cap.
Chlorobenzoyl peroxide (para), dry.	White, odorless powder. Can be ignited by external flame and when so ignited burns rapidly. Insoluble in water. Do not stow with explosives, combustible materials, or acids. Keep cool and dry.	Yellow-----	Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.
Chlorobenzoyl peroxide (para), wet (when with not less than 30% by weight of water). Shipping containers must have marked thereon the gross, tare and net weight of the package.	White odorless powder in water solution. In dry condition burns rapidly. When in powdered or crystalline form must be wet with at least 30% by weight of water. Check gross weight of container to ascertain if leakage has occurred. Reject leaking containers or ones that show signs of having leaked. Do not stow with explosives, combustible materials, or acids.	Yellow-----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted-----	Not permitted-----	Not permitted.
Stowage: "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (AA). Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.
Stowage: "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (AA). Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Organic peroxides—Con. Cumene hydroperoxide (strength not exceeding 90% in a nonvolatile solvent).	A colorless to pale-yellow liquid consisting of a solution of the solid peroxide in a liquid such as a phthalate. Solution is combustible. When ignited the burning rate becomes more rapid as the combustion proceeds. Do not stow with explosives, combustible materials or acids.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums (ICC-17E) STC, with interiors so treated that they will be resistant to the contents. Not over 55 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Also authorized for cumene hydroperoxide strength not exceeding 90% in a nonvolatile solvent. Authorized for stowage "On deck" and "First deck below". Tank cars complying with ICC regulations (trainships only).
Cyclohexanone peroxide, not over 50% concentration.	Thick grayish white paste. Organic peroxide compounded with a nonvolatile solvent such as dibutyl phthalate. Keep cool. Do not stow with explosives, acids or combustible materials.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1700 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. gr. wt. (ICC-11A, 11B) WIC, not over 600 lb. gr. wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drum (ICC-21C) not over 250 lb. net wt. Plywood drums: (ICC-22A) not over 225 lb. gr. wt. (ICC-22B) WIMC, not over 225 lb. gr. wt.
Cyclohexanone peroxide over 50% concentration but not exceeding 85% concentration, dry.	White granules. Flammable, burns rapidly when ignited. Keep cool. Do not stow with combustible materials, explosives or acids.	Yellow	Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt.
Cyclohexanone peroxide over 50% concentration but not exceeding 85% concentration, wet.	Organic peroxide compounded with a nonvolatile solvent such as dibutyl phthalate. Keep cool. Do not stow with combustible materials, explosives or acids.	Yellow	Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC not over 1 lb. cap. ea., not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt. Fiber drum (ICC-21C) WIC of plastic, not over 50 lb. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.	Not permitted.	Ferry stowage (BB). Outside containers: Tank cars complying with ICC regulations.
Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible."	Ferry stowage (AA). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1700 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. gr. wt. (ICC-11A, 11B) WIC, not over 600 lb. gr. wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drum (ICC-21C) not over 250 lb. net wt. Plywood drums: (ICC-22A) not over 225 lb. gr. wt. (ICC-22B) WIMC, not over 225 lb. gr. wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1700 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. gr. wt. (ICC-11A, 11B) WIC, not over 600 lb. gr. wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19C) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drum (ICC-21C) not over 250 lb. net wt. Plywood drums: (ICC-22A) not over 225 lb. gr. wt. (ICC-22B) WIMC, not over 225 lb. gr. wt.
Stowage: "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt.	Ferry stowage (AA). Outside containers: Wooden boxes (ICC-15A, 15B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt.
Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC not over 1 lb. cap. ea., not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt. Fiber drum (ICC-21C) WIC of plastic, not over 50 lb. net wt.	Ferry stowage (AA). Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC not over 1 lb. cap. ea., not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt. Fiber drum (ICC-21C) WIC of plastic, not over 50 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC not over 1 lb. cap. ea., not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC not over 1 lb. cap. ea., not over 50 lb. net wt. Fiber drum (ICC-21C) WIC of plastic, not over 50 lb. net wt.

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			Cargo vessel
Organic peroxides—Dion. Dicumyl peroxide (strength not exceeding 80% in a nonvolatile solvent).	Solution of the peroxide in a nonvolatile solvent. Keep cool. Do not stow with combustible materials, explosives or acids.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums (ICC-17E) STC, with interiors so treated that they will be resistant to the contents. Not over 55 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC not over 250 lb. gr. wt.
Diisopropylbenzene hydroperoxide (strength not exceeding 80% in a nonvolatile solvent).	Colorless to pale yellow liquid. Burns vigorously and persistently, especially in large quantities. Do not stow with explosives, combustible materials or acids. Keep cool.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums (ICC-17E) STC, with interiors so treated that they will be resistant to the contents. Not over 55 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC not over 250 lb. gr. wt. Authorized for stowage "On deck" and "First deck below": Tank cars complying with ICC regulations (trainships only).
Dimethylhexane dihydroperoxide, dry.	Finely divided white powder. Inflammable and burns steadily when ignited. Will decompose at elevated temperatures. Keep cool and dry. Do not stow with combustible materials, explosives or acids.	Yellow	Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt. Fiber drums (ICC-21C) WIC of plastic, not over 100 lb. net wt.
Dimethylhexane dihydroperoxide, wet (wet with at least 30% of water by weight).	Finely divided white powder in water. Inflammable when dry. Check gross weight of container to ascertain if leakage has occurred. Reject leaking containers or ones that show signs of having leaked. Do not stow with explosives, combustible materials or acids.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 1 lb. cap. ea., not over 50 lb. net wt. Fiber drums (ICC-21C) WIC of plastic, not over 100 lb. net wt.
Lauroyl peroxide, dry.	White coarse powder; faint pungent odor. Strong supporter of combustion. Insoluble in water. Do not stow with explosives, combustible materials, or acids. Keep cool and dry.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 100 lb. net wt. Fiber drum (ICC-21C) not over 100 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.
Lauroyl peroxide, wet (when wet with not less than 30% by weight of water).	White coarse powder in water solution. When in powdered or crystalline form, must be wet with at least 30% by weight of water. Check gross weight of container to ascertain if leakage has occurred. Reject leaking containers or ones that show signs of having leaked. Do not stow with explosives, combustible materials or acids.	Yellow	Stowage: "On deck under cover." "On deck protected." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.	Not permitted.	Not permitted.
Not permitted.	Not permitted.	Ferry stowage (BB). Outside containers: Tank cars complying with ICC regulations.
Stowage: "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt. Fiber drums (ICC-21C) WIC of plastic, not over 100 lb. net wt.	Ferry stowage (AA). Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt. Fiber drums (ICC-21C) WIC of plastic, not over 100 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt. Fiber drums (ICC-21C) WIC of plastic, not over 100 lb. net wt.
Stowage: "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 1 lb. cap. ea., not over 50 lb. net wt. Fiber drums (ICC-21C) WIC of plastic, not over 100 lb. net wt.	Ferry stowage (AA). Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 1 lb. cap. ea., not over 50 lb. net wt. Fiber drums (ICC-21C) WIC of plastic, not over 100 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 1 lb. cap. ea., not over 50 lb. net wt. Fiber drums (ICC-21C) WIC of plastic, not over 100 lb. net wt.
Stowage: "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 100 lb. net wt. Fiber drum (ICC-21C) not over 100 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (AA). Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 100 lb. net wt. Fiber drum (ICC-21C) not over 100 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 100 lb. net wt. Fiber drum (ICC-21C) not over 100 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.
Stowage: "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (AA). Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Organic peroxides—Con. Paramenthane hydroperoxide (strength not exceeding 80% in a non-volatile solvent).	Organic peroxide in a nonvolatile solvent. Keep cool. Do not stow with explosives, combustible materials or acids.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums (ICC-17E) STC, with interiors so treated that they will be resistant to the contents. Not over 55 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 18A, 19A) WIC not over 250 lb. gr. wt. Authorized for stowage "On deck" and "First deck below": Tank cars complying with ICC regulations (trainships only).
Peroxides, organic, liquid, N.O.S. Peroxides, organic, solution, liquid, N.O.S.	Combustible liquids, usually colorless, with sharp penetrating odor. Readily ignitable and burn with acceleration. Immiscible with water. Do not stow with combustible materials, explosives or acids.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B, 15C, 18A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC not over 1 gal. cap., total 6 gal. cap. Authorized only for material which will not react dangerously with, or cause decomposition of polyethylene: Plywood drums (ICC-22C) WIC (ICC-2T) not over 13 gal. cap. Cylindrical steel overpack: (ICC-3D, 37M) (NRC), WIC ICC-2S, not over 15 gal. cap. Steeldrums (ICC-37P) NRC, not over 5 gal. cap. Fiberboard boxes (ICC-12P) WIC (ICC-2U or polyethylene bottles), not over 5 gal. cap. ea. Following barrels or drums authorized for materials which will not react dangerously with the drum's metal, or be decomposed by contact with it: Steel barrels or drums (ICC-17C, 17E) STC, not over 18 gal. cap. Aluminum drums (ICC-42B) not over 15 gal. cap.
Succinic acid peroxide, dry.	White powder Combustible, burns rapidly when ignited. Insoluble in water. Do not stow with combustible materials, explosives, or acids. Keep cool.	Yellow	Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.
Succinic acid peroxide, wet (when wet with not less than 30% by weight of water). Shipping containers must have marked thereon the gross, tare, and net weight of package.	White powder in water solution. Combustible, burns rapidly when ignited. Do not stow with combustible materials, explosives or acids. Keep cool.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) 9WIC, not over 50 lb. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.	Not permitted.	Ferry stowage (BB). Outside containers: Tank cars complying with ICC regulations.
Not permitted.	Not permitted.	Not permitted.
Stowage: "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (AA) Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B) WIC, not over 50 lb. net wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt. D
Stowage: "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (AA) Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B, 15C) WIMC, not over 200 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 50 lb. net wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Organic peroxides—Con. Tertiary butylisopropyl benzene hydroperoxide (strength not exceeding 80% in a nonoxidative solvent).	White crystalline solid in a nonoxidative solvent. Keep cool. Do not stow with combustible materials, explosives or acids.	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums (ICC-17E) STC with interiors so treated that they will be resistant to the contents. not over 55 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt.
Urea peroxide.....	A white crystalline organic solid. Unstable at elevated temperatures. Decomposes very slightly at normal temperatures. May be compounded with waxes, etc., and made up into pellet form. Do not stow with combustible materials, explosives, or acids. Keep cool and dry.	Yellow.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Fiberboard boxes (ICC-12B) WIC of plastic or rubber, not over 65 lb. gr. wt. Fiber drums (ICC-21C) coated on inside with a suitable wax not over 250 lb. net wt. Plywood drums (ICC-22A) WIC ICC-2J, coated on inside with a suitable wax, not over 220 lb. gr. wt.
Oxidizing materials, N. O. S.	May be any substance classifying as an oxidizing material in accordance with the definitions contained in these regulations, provided such oxidizing material is not otherwise specified by name in these regulations. Incited in a fire, will greatly intensify the burning of all combustible materials. Do not stow with combustible materials, explosives or acids (white label).	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. wt. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt. (See note in column 5, 6, and 7.)

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.
Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (AA). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.

NOTE: Specification containers shall be of a design and constructed of materials that will not react dangerously with nor be decomposed by the chemical packed therein.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Paper stock, wet. Waste paper, wet.	<i>Paper stock, new or waste paper that is wet.</i>	Yellow	Stowage: "On deck protected." "On deck under cover." Outside containers: Hermetically sealed metal-lined wooden boxes. Airtight metal containers.
Peroctic acid. (<i>Must be shipped in solution not exceeding 40 percent strength.</i>)	<i>Clear, colorless combustible liquid with sharp penetrating odor. Decomposes when in contact with most ordinary cushioning materials. Immiscible with water.</i>	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween deck readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC, not over 65 lb. gr. wt. Plywood drum (ICC-22C) WIC (ICC-2T) not over 13 gal. cap. Authorized for stowage on deck only: Cylindrical steel overpack: (ICC-37M) NRC WIC ICC-2SL vented, not over 30 gal. cap.
Perchlorates. Ammonium perchlorate. Barium perchlorate. Magnesium perchlorate. Perchlorates, N.O.S. Potassium perchlorate.	<i>Colorless crystals or white crystalline powder: strong oxidizing agents. Perchlorates mixed with organic matter form very inflammable compositions, and frequently act as high explosives when mixed with finely divided organic material or finely divided metals somewhat the same as chlorates, but to a lesser degree. Soluble in water.</i>	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." "Under deck but not over-stowed." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt. Authorized for ammonium perchlorate only: Portable tanks (ICC-53 aluminum) not over 84 cu. ft. cap.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R.R. car ferry, passenger or vehicle
Not permitted	Not permitted	Ferry stowage (BB). Outside containers: Hermetically sealed metal-lined wooden boxes. Airtight metal containers.
Not permitted	Not permitted	Not permitted.
Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt. Authorized for ammonium perchlorate only: Portable tanks (ICC-53 aluminum) not over 84 cu. ft. cap.	Ferry stowage (AA). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt. Authorized for ammonium perchlorate only: Portable tanks (ICC-53 aluminum) not over 84 cu. ft. cap.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt. Authorized for ammonium perchlorate only: Portable tanks (ICC-53 aluminum) not over 84 cu. ft. cap.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
<i>Permanganates</i>..... Ammonium permanganate. Barium permanganate. Calcium permanganate. Permanganates, N.O.S. Potassium permanganate. Sodium permanganate. Zinc permanganate.	<i>In crystal or powder form, having a metallic sheen in rich colors: purple to reddish-black, violet-brown or black, or dark purple shades.</i> <i>A powerful oxidizing material. All permanganates mixed with combustible materials are liable to ignition by friction, by spontaneous combustion, or if acted upon by the corrosive liquid acids.</i> <i>Such mixtures have been known to react with explosives force.</i> <i>Potassium permanganate is known to ignite spontaneously in contact with glycerin (including the anti-freeze glycerin compounds).</i> <i>Barium permanganate is also poisonous if taken internally. Stow away from foodstuffs.</i> <i>Soluble in water.</i> Do not stow with explosives, acids (white label), glycerine formaldehyde, organic materials, chalk, charcoal, sulfur or similar substances. Keep cool.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1,760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, or with liner, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1,760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, or with liner not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt.	Ferry stowage (AA)..... Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1,760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, or with liner, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1,760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, or with liner, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Phosphoric anhydride	<i>A finely divided white powder, having a strong affinity for water. Rapidly absorbs moisture from the air. Mixed with organic matter in the presence of moisture (even moisture in the air) it causes great heat and oftentimes the ignition of the material. Soluble in water, somewhat slowly, and with evolution of much heat. Do not stow with combustible materials, explosives, inflammable liquids (red label) or acids (white label). Keep dry.</i>	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 490 lb. gr. wt. Wooden boxes (ICC-15A, 15B, 15C) WIC, not over 250 lb. gr. wt. Fiberboard box (ICC-12A) WIC, not over 12 lb. net wt.
Phosphorus amorphous, red.	<i>An inflammable solid in the form of a reddish-brown powder. Readily ignited by friction. Will contaminate foodstuffs. In the presence of fire, fumes given off by this substance are irritating and suffocating. Insoluble in water. Do not stow with nitrates, chlorates, perchlorates or permanganates or oxidizing materials (yellow label). Mixtures may result in explosions by friction or shock. Stow well away from all living quarters and foodstuffs. Keep cool.</i>	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A, 6B) not over 160 lb. gr. wt. (ICC-37A, 37B) STC not over 160 lb. gr. wt. Wooden boxes (ICC-15A, 15B) with airtight metal inside containers, not over 250 lb. gr. wt. Mailing tubes (ICC-29) WIC of glass in hermetically sealed metal can, not over 100 gms. net wt.
Phosphorus pentachloride.	<i>An inflammable solid in the form of a grayish-yellow crystalline mass with an irritating odor. In contact with air, gives off fumes which have a strong irritating effect upon the eyes and mucous tissue. Decomposes upon contact with water, with liberation of much heat and formation of hydrochloric acid. Will contaminate foodstuffs. In the presence of fire, fumes given off by this substance are irritating. Stow well away from living quarters and foodstuffs. Do not stow with oxidizing materials (yellow label). Keep cool and dry.</i>	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: "Black Iron" barrels or drums: (ICC-6A, 6B, 6C) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-37A, 37B) STC, not over 55 gal. cap. and not exceeding 880 lb. gr. wt. Wooden barrels or kegs: (ICC-10A) Asphaltum-lined not over 50 gal. cap. and not exceeding 490 lb. net wt. (ICC-11B) WIC, not over 50 lb. net wt. of material. Wooden boxes, (ICC-15A, 15B, 15C, 16A, 16A) WIC, not over 50 lb. net wt. of material. Metal-jacketed lead carboys (ICC-28A) not over 15 gal. cap.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted	Not permitted	Not permitted.
Stowage: "On deck under cover." Outside containers: Steel barrels or drums: (ICC-6A, 6B) not over 160 lb. gr. wt. (ICC-37A, 37B) STC not over 160 lb. gr. wt. Wooden boxes (ICC-15A, 15B) with airtight metal inside containers, not over 250 lb. gr. wt. Mailing tubes (ICC-29) WIC of glass in hermetically sealed metal can, not over 100 gms. net wt.	Ferry stowage (AA). Outside containers: Steel barrels or drums: (ICC-6A, 6B) not over 160 lb. gr. wt. (ICC-37A, 37B) STC not over 160 lb. gr. wt. Wooden boxes (ICC-15A, 15B) with airtight metal inside containers, not over 250 lb. gr. wt. Mailing tubes (ICC-29) WIC of glass in hermetically sealed metal can, not over 100 gms. net wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A, 6B) not over 160 lb. gr. wt. (ICC-37A, 37B) STC not over 160 lb. gr. wt. Wooden boxes (ICC-15A, 15B) with airtight metal inside containers, not over 250 lb. gr. wt. Mailing tubes (ICC-29) WIC of glass in hermetically sealed metal can, not over 100 gms. net wt.
Not permitted	Not permitted	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Phosphorus sesquisulfide.	<i>Yellow crystalline mass generally in finely ground form which is very inflammable. Readily ignited by slight friction. Involved in a fire will give off fumes that are irritating and suffocating. Insoluble in water. Do not stow with nitrates, chlorates, or other oxidizing materials (yellow label). Stow away from all living quarters and foodstuffs. Keep cool.</i>	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C) not over 30 gal. cap. (ICC-37A, 37B) STC, not over 425 lb. gr. wt. Wooden boxes (ICC-15A, 15B) with airtight metal inside containers, not over 250 lb. gr. wt.
Phosphorus, white or yellow, in water. Shipping containers shall have marked thereon the gross, tare, and net weight of the package. NOTE: For bulk shipments, see subchapter I (cargo and miscellaneous vessels) of this chapter.	<i>Almost colorless or yellowish semitransparent mass becoming somewhat darker or white and waxy in appearance with aging. Melting point 110° F. Fumes are poisonous and possess a strong garlic-like odor. White or yellow phosphorus will ignite spontaneously in air. In event of breakage, do not handle this substance with bare hands. Protect from freezing. Do not stow with explosives, inflammable liquids (red label), corrosive liquids (white label), nor with nitrates, chlorates, or permanganates. Stow away from living quarters and foodstuffs. Check gross weight of containers to be certain no leakage has occurred. Refuse leaking containers or ones showing signs of having leaked.</i>	Yellow.....	Stowage: "On deck protected." "On deck in open." "On deck under cover." Outside containers—When packed in water: Steel barrels or drums: (ICC-5A, 6A, 6B) not over 30 gal. cap. Wooden boxes: (ICC-15A, 15B) with hermetically sealed metal cans or metal linings, not over 250 lb. gr. wt. Mailing tube (ICC-29) WIC not over 100 gm. net wt. of phosphorus. Tank cars complying with ICC regulations.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Phosphorus white or yellow, dry (must be cast solid.)	Characteristics and hazards as for "Phosphorus, white or yellow in water." See above. Observe stowage precautions shown above for "Phosphorus, white or yellow, in water." In stowing projectiles or bombs wood dunnage shall be liberally used to prevent these articles coming in contact with the structural parts of the vessel.	Yellow	Stowage: "On deck protected." "On deck in open." "On deck under cover." Outside containers— <i>When dry and cast solid:</i> Steel barrels or drums: (ICC-6A, 6B, 6C) not over 30 gal. cap. Projectiles or bombs without bursting elements: May be accepted only when shipped by, for, or to the Departments of the Army, Navy, or the Air Force of the U. S. Government. Stowage of such projectiles or bombs may also be "Under deck away from heat."
Photographic film (nitro-cellulose base). Including developed or undeveloped or processed film in rolls or sheets enclosed in individual cartons, wrappings or packing.	<i>Highly inflammable.</i> <i>Decomposition may start and ignition occur at relatively low temperatures. If inhaled the products of decomposition are irritating and poisonous even in small concentrations.</i> Provide cool stowage as in a compartment having a temperature of not exceeding 100° F. and well away from any source of heat, or in position to protect or move, even to jettisoning in event of fire. Do not stow in same compartment with explosives, inflammable liquids (red label), other inflammable solids or oxidizing materials (yellow label), or acids (white label).	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks." "Under deck away from heat." Outside containers: Wooden boxes, nonspecification, with inside individual carton containers, not over 400 lb. gr. wt. Fiberboard boxes, nonspecification: strapped with two steel bands, with inside individual carton containers, not over 75 lb. gr. wt. Full-frame, solid fiberboard boxes, not over 400 lb. gr. wt.
Picric acid, wet with not less than 10% water, in excess of 16 ounces, but not exceeding 25 pounds. Picric acid, wet with not less than 10% water in quantity not exceeding 16 ounces in one outside package may be accepted as "Drugs, chemicals, medicines, or cosmetics." Shipping containers shall have marked thereon the gross, tare, and net weight of the package.	<i>Pale yellow crystals. In its dry state is classified by these regulations as a high explosive but is not sensitive in this respect when wet with at least 10% of water.</i> Do not stow with metals, metallic powders finely divided organic material, lime potash, soda or any chlorates, nitrates or other oxidizing materials (yellow label), explosives, or acids (white label). Stow away from living quarters. Keep cool. In accepting shipments observe outside containers carefully for signs of leakage of the water content. Refuse leaking packages, or ones showing signs of having leaked.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes, (ICC-15A) WIC. not to exceed 25 lb. dry weight of material in one outside container.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted	Not permitted	Not permitted.
Stowage: "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes, nonspecification, with inside individual carton containers, not over 400 lb. gr. wt. Fiberboard boxes, nonspecification: strapped with two steel bands, with inside individual carton containers, not over 75 lb. gr. wt. Full-frame, solid fiberboard boxes, not over 400 lb. gr. wt.	Ferry stowage (AA)..... Outside containers: Wooden boxes, nonspecification, with inside individual carton containers, not over 400 lb. gr. wt. Fiberboard boxes, nonspecification: strapped with two steel bands, with inside individual carton containers, not over 75 lb. gr. wt. Full-frame, solid fiberboard boxes, not over 400 lb. gr. wt.	Ferry stowage (BB). Outside containers: Wooden boxes, nonspecification, with inside individual carton containers, not over 400 lb. gr. wt. Fiberboard boxes, nonspecification: strapped with two steel bands, with inside individual carton containers, not over 75 lb. gr. wt. Full-frame, solid fiberboard boxes, not over 400 lb. gr. wt.
Not permitted	Not permitted	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Potassium bromate.....	Potassium bromate is an oxidizing material in the form of white crystalline salts having properties similar to "potassium chlorate" but less dangerous. Highly inflammable. Soluble in water. Do not stow in same compartment with combustible materials, explosives, or acids (white label).	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1780 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B), STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.
Potassium dichloroisocyanurate, dry, containing more than 39 percent available chlorine. Sodium dichloroisocyanurate, dry, containing more than 39 percent available chlorine.	White crystalline powder or granules. Hygroscopic. Up to 59% available chlorine. Keep dry and cool. White crystalline powder. Hygroscopic. Up to 60% available chlorine. Keep dry and cool.	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks." "Under deck, but not over-stowed." Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C) not over 55 gal. cap. (ICC-17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Strong outside wooden or fiberboard packages with inside containers of glass not over 5 lb. cap. each, with metal containers or plastic bottles not over 10 lb. cap. each. Outside wooden containers not to exceed 150 lb. gr. wt. and outside fiberboard containers not to exceed 65 lb. gr. wt. Fiber drum (ICC-21C) WIL, not over 400 lb. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A), WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 225 lb. net wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (AA)..... Outside containers: Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A), WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A), WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.
Stowage: "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C) not over 55 gal. cap. (ICC-17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Strong outside wooden or fiberboard packages with inside containers of glass not over 5 lb. cap. each, or with metal containers or plastic bottles not over 10 lb. cap. each. Outside wooden containers not to exceed 150 lb. gr. wt. and outside fiberboard containers not to exceed 65 lb. gr. wt. Fiber drum (ICC-21C) WIL, not over 400 lb. net wt.	Ferry stowage (AA). Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C) not over 55 gal. cap. (ICC-17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Strong outside wooden or fiberboard packages with inside containers of glass not over 5 lb. cap. each, or with metal containers or plastic bottles not over 10 lb. cap. each. Outside wooden containers not to exceed 150 lb. gr. wt. and outside fiberboard containers not to exceed 65 lb. gr. wt. Fiber drum (ICC-21C) WIL, not over 400 lb. net wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C) not over 55 gal. cap. (ICC-17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Strong outside wooden or fiberboard packages with inside containers of glass not over 5 lb. cap. each, or with metal containers or plastic bottles not over 10 lb. cap. each. Outside wooden containers not to exceed 150 lb. gr. wt. and outside fiberboard containers not to exceed 65 lb. gr. wt. Fiber drum (ICC-21C) WIL, not over 400 lb. net wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Potassium, metallic.....	<i>Potassium metallic is an inflammable, soft, white metal, with a silvery luster on freshly cut surfaces. Reacts violently with water, evolving hydrogen which ignites from the intense heat of the reaction; also violently and similarly decomposed by acids. Do not stow with combustible materials, explosives, acids (white label), inflammable liquids (red label), or oxidizing materials (yellow label). Do not overstuff with other cargo. Keep dry.</i>	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6, 6B, 6C) not over 110 gal. cap. (ICC-17C) STC, not over 55 gal. cap. Metal drums (ICC-37A, 37B) STC, not over 6 gal. cap. Not more than 4 drums in one strong outside wooden box. Wooden boxes (ICC-15A, 15B), with hermetically sealed metal inside containers not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIMC, not over 90 lb. gr. wt. ICC approved aluminum carrier tubes, WIC not over 50 gm. net wt. NOTE: Potassium metallic immersed in neutral petroleum oil may also be accepted in: Wooden boxes (ICC-15A, 15B), WIMC or ICC-37A, 37B STC not over 30 lb. net wt., not over 250 lb. gr. wt.
Potassium, metallic liquid alloy, Sodium, metallic liquid alloy.	<i>A combustible alloy of potassium and sodium which flows like mercury at ordinary temperatures. Not volatile. Reacts violently with moisture or water to evolve an inflammable gas and develops considerable heat which may ignite the gas. Avoid contact with water. Do not stow with combustible materials, explosives, acids, (white label) or oxidizing materials (yellow label). Keep dry.</i>	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B) WIMC, not over 300 lb. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Potassium nitrate mixed (fused) with sodium nitrite.	<i>A mixture of potassium nitrate and sodium nitrite fused solid. White, odorless, solid. Strong oxidizing materials. Do not stow with combustible materials, explosives, inflammable liquids (red label) or acids (white label).</i>	Yellow	Stowage: "On deck protected." "On deck." "On deck under cover." "Under deck." Outside containers: Wooden boxes, WIC. Fiberboard boxes, WIC, not over 90 lb. gr. wt. Steel barrels or drums. Fiber drums, not over 150 lb. gr. wt. Wooden barrels or kegs. Strong metal cans. Tank cars (ICC-103W).
Potassium nitrite.	<i>White or slightly yellow granules, or rods. Decomposed in contact with acids evolving brown fumes of nitrous anhydride. Involved in a fire will intensify the burning of all combustible materials. Do not stow with combustible materials, explosives, inflammable liquids (red label) or acids (white label). Carefully clean and remove all residue of nitrite remaining in a compartment used for the stowage of this substance.</i>	Yellow	Stowage: "On deck protected." "On deck under cover." "Two on decks." "Under deck." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes, WIC. Fiberboard boxes, WIC, not over 90 lb. gr. wt. Steel barrels or drums. Fiber drums, not over 150 lb. gr. wt. Wooden barrels or kegs. Strong metal cans.	Ferry stowage (AA). Outside containers: Wooden boxes, WIC. Fiberboard boxes, WIC, not over 90 lb. gr. wt. Steel barrels or drums. Fiber drums, not over 150 lb. gr. wt. Wooden barrels or kegs. Strong metal cans.	Ferry stowage (BB). Outside containers: Wooden boxes, WIC. Fiberboard boxes, WIC, not over 90 lb. gr. wt. Steel barrels or drums. Fiber drums, not over 150 lb. gr. wt. Wooden barrels or kegs. Strong metal cans. Tank cars (ICC-103W)
Stowage: "On deck protected." "On deck under cover." "Two on decks." "Under deck." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (AA). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Potassium peroxide.....	Oxidizing agent in the form of a yellow, amorphous mass. Decomposes in water, evolving oxygen. Do not stow with combustible materials, explosives, or acids (white label). Keep dry.	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks." "Under deck." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 16A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.
Potassium sulfide (fused or concentrated, when ground). Sodium sulfide (fused or concentrated, when ground).	In the form of yellow to yellowish red crystals, strongly caustic. Freely soluble in water with evolution of much heat. May also spontaneously oxidize in the air with evolution of enough heat to ignite. Do not stow with combustible materials, explosives, acids (white label). Stow well away from any living quarters. Keep dry and cool.	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks." "Under deck away from heat." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A) WIMC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIMC, not over 65 lb. gr. wt. Fiberboard box (ICC-12A) WIC not over 5 lb. cap., total cap. not over 20 lb. net wt. Fiber drum (ICC-21C) not over 250 lb. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued

Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 16A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (AA)..... Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 16A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (BB)..... Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 16A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.
Stowage: "On deck under cover." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A) WIMC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIMC, not over 65 lb. gr. wt. Fiberboard box (ICC-12A) WIC not over 5 lb. cap., total cap. not over 20 lb. net wt. Fiber drum (ICC-21C) not over 250 lb. net wt.	Ferry stowage (AA)..... Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A) WIMC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIMC, not over 65 lb. gr. wt. Fiberboard box (ICC-12A) WIC not over 5 lb. cap., total cap. not over 20 lb. net wt. Fiber drum (ICC-21C) not over 250 lb. net wt.	Ferry stowage (BB)..... Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A) WIMC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIMC, not over 65 lb. gr. wt. Fiberboard box (ICC-12A) WIC not over 5 lb. cap., total cap. not over 20 lb. net wt. Fiber drum (ICC-21C) not over 250 lb. net wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Potassium sulfide (fused or concentrated but not ground—may be chipped, flaked, or broken). Sodium sulfide (fused or concentrated but not ground—may be chipped, flaked, or broken). Crystallized potassium sulfide, crystallized sodium sulfide, or sodium sulfide fused solid in a metal container is not subject to these regulations. Sodium sulfide containing 35% or more combined water by weight, fused or concentrated but not ground (may be chipped, flaked or broken) when packed in steel barrels or drums that are equipped with moisture-tight closures, or in strong, tight fiber drums having a moisture barrier incorporated in the walls and equipped with moisture-tight closure is not subject to the regulations in this subchapter.	Characteristics and hazards as for "Potassium sulfide (fused or concentrated and ground)". see above.	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A) WIC, not over 250 lb. gr. wt. Fiberboard box (ICC-12B) WIC plastic bag, not more than 25 lb. net wt.
Pyroxylin plastics, rods, rolls, sheets or tubes. Film support (nitrocellulose base). NOTE: Manufactured pyroxylin plastic articles, not otherwise named herein, when containing more than 10% by weight of nitrocellulose shall be shipped described as "Pyroxylin plastics."	Solid solutions composed mainly of nitrocellulose, camphor and small amounts of volatile solvents. Highly inflammable. Decomposition may start and ignition occur at relatively low temperatures. If inhaled, the products of decomposition are irritating and poisonous even in low concentrations. Provide cool stowage as in a compartment having a temperature of not exceeding 100° F. and well away from any source of heat, or in position to protect or move, even to jettisoning in event of fire. Do not stow in same compartment with explosives, inflammable liquids (red label), other inflammable solids or oxidizing materials (yellow label), or corrosive liquids (white label).	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks." "Under deck away from heat." Outside containers: Wooden boxes (ICC-15A, 15B, 19A) not over 450 lb. gr. wt. Fiberboard boxes (ICC-12B) not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. For sheet pyroxylin only: Special fiberboard tube, telescope type, not over 15 lb. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck under cover." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC plastic bag, not more than 25 lb. net wt.	Ferry stowage (AA)..... Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC plastic bag, not more than 25 lb. net wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A) WIC not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIC plastic bag, not more than 25 lb. net wt.
Stowage: "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B, 19A) not over 450 lb. gr. wt. Fiberboard boxes (ICC-12B) not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. For sheet pyroxylin only: Special fiberboard tube, telescope type, not over 15 lb. net wt.	Ferry stowage (AA)..... Outside containers: Wooden boxes (ICC-15A, 15B, 19A) not over 450 lb. gr. wt. Fiberboard boxes (ICC-12B) not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. For sheet pyroxylin only: Special fiberboard tube, telescope type, not over 15 lb. net wt.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B, 19A) not over 450 lb. gr. wt. Fiberboard boxes (ICC-12B) not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. For sheet pyroxylin only: Special fiberboard tube, telescope type, not over 15 lb. net wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Pyroxylin plastic scrap...	<i>Consists of trimmings, clippings, and other waste obtained in the manufacture of pyroxylin plastic articles, or the scrap obtained from motion picture film, X-ray film and photographic film. Being finely divided, it is more hazardous than the original materials.</i> Stow well away from all sources of heat. Protect from temperatures exceeding 100° F.	Yellow.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums: (ICC-6A, 6J) not over 880 lb. gr. wt. (ICC-6B, 6C) not over 1760 lb. gr. wt. (ICC-17H, 37A, 37B) STC, not over 880 lb. gr. wt. Wooden barrels or kegs (ICC-11B) WIL, not over 375 lb. gr. wt. Wooden boxes (ICC-15A, 15B) WIL, not over 450 lb. gr. wt. Fiberboard boxes (ICC-12B) not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. net wt.
Rags, wet..... Felt waste, wet. Textile waste, wet. Wool waste, wet.	<i>Fibers of vegetable or animal origin which have become wet or damp due to any cause.</i>	Yellow.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Hermetically sealed metal-lined wooden boxes, or air-tight metal containers.
Rubber scrap, ground, powdered or granulated.	<i>Rubber scrap if ground, powdered, or granulated, and the rubber content of which exceeds 40%, as determined by subtracting the sum of the percentage of ash and the percentage of acetone extract from 100.</i>	Yellow.....	Stowage: "On deck protected." "On deck in open." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. Wooden boxes, (ICC-15A) WIL, not over 250 lb. gr. wt. Wooden barrels or kegs (ICC-10A) not over 50 gal. cap. Fiberboard boxes, (ICC-12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. net wt. Paper bags (ICC-44B, 44E) not over 50 lb. net wt. Plywood drums (ICC-22A) not over 220 lb. gr. wt. Tank cars tightly and securely closed.
Rubber buffings..... NOTE: Rubber scrap, not ground or ground with cord or fabric insertion, or ground without cord or fabric insertion, the particles of which pass over a screen of not less than 8-mesh is not subject to the regulations in this part.	<i>Buffings from any grade of rubber irrespective of percentage of rubber content.</i>	Yellow.	
Reclaimed rubber or regenerated rubber. NOTE: Reclaimed rubber or regenerated rubber when in the form of dense homogeneous nonporous sheets or rolls, the sheets of thickness of ¼ inch or greater, packed flat or in rolls, or in pelletized form if not less than ¼ inch in diameter, or ground, the particles of which pass over a screen of not less than 5-mesh, all properly cooled before shipment, is not subject to the regulations in this part.	<i>Rubber shoddy, regenerated rubber or reclaimed rubber consists of old rubber which has been subjected to chemical treatment of some kind in preparing it for further use in the rubber industry.</i> <i>Certain grades of rubber scrap if ground, powdered or granulated, or the buffings from rubber, as well as rubber shoddy, regenerated or reclaimed rubber are subject to the risk of spontaneous heating and ignition. This hazard does not apply to rubber which is not ground, powdered, or granulated, nor to rubber scrap in the form of dense homogeneous nonporous sheets or rolls.</i>	Yellow.	

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted
Not permitted.....	Not permitted.....	Ferry stowage (BB). Outside containers: Hermetically sealed metal-lined wooden boxes, or air-tight metal containers.
Not permitted.....	Ferry stowage (AA). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. Wooden boxes, (ICC-15A) WIL, not over 250 lb. gr. wt. Wooden barrels or kegs (ICC-10A) not over 50 gal. cap. Fiberboard boxes, (ICC-12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. net wt. Paper bags (ICC-44B, 44E) not over 50 lb. net wt. Plywood drums (ICC-22A) not over 220 lb. gr. wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. Wooden boxes, (ICC-15A) WIL, not over 250 lb. gr. wt. Wooden barrels or kegs (ICC-10A) not over 50 gal. cap. Fiberboard boxes, (ICC-12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. net wt. Paper bags (ICC-44B, 44E) not over 50 lb. net wt. Plywood drums (ICC-22A) not over 220 lb. gr. wt. Tank cars tightly and securely closed.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Sodium aluminum hydride.	White crystalline material. On contact with water ignites and may explode. Do not stow with explosives, inflammable liquids or acids. Keep cool and dry.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-5A) not over 55 gal. cap. (ICC-5, 6B, 6C) not over 110 gal. cap. (ICC-37A, 37B) STC, not over 6 gal. cap. Not more than 4 drums in one strong outside wooden box. (ICC-17C) STC, not over 55 gal. cap. Wooden boxes (ICC-15A, 15B) with hermetically sealed metal inside containers, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIMC, not over 90 lb. gr. wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.	Not permitted.	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Sodium amide	White crystalline powder, with odor of ammonia. Decomposed by water forming ammonia gas and generating heat. Decomposed by moisture in air. Do not stow with combustible materials, explosives, or acids (white label). Keep dry.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-5, 6B, 6C) not over 110 gal. cap. (ICC-17C) STC, not over 55 gal. cap. Metal drums (ICC-37A, 37B) STC, not over 6 gal. cap. Not more than 4 drums in one strong outside wooden box. Wooden boxes (ICC-15A, 15B) with hermetically sealed metal inside containers, not over 250 lb. gr. wt. Sodium amide immersed in neutral oil may also be accepted in: Wooden boxes (ICC-15A, 15B), WIMO or ICC-37A, 37B, STC not over 30 lb. net wt., not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIMC, not over 90 lb. gr. wt.
Sodium bromate	An oxidizing material in the form of white crystals or a white crystalline powder. Strong oxidizing agent. Soluble in water. Do not stow with combustible materials, explosives or acids (white label). Keep cool.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1,760 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted	Not permitted	Not permitted.
Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (AA). Outside containers: Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (B1). Outside containers: Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Sodium chlorite-----	<i>A white crystalline solid usually in flakes. Strong oxidizing agent. Decomposed by heat evolving oxygen, and will burst containers. Reacts violently with acids. Mixed with organic material or finely divided metals it is dangerously ignitable and may be ignited by friction or may cause spontaneous ignition of such material. Do not stow with charcoal, sulfur, sugar, flour and similar finely divided substances. Do not stow in same compartment with explosives, combustible materials, inflammable liquids (red label), or acids (white label). Do not overstore. Keep cool and dry.</i>	Yellow-----	Stowage: "On deck protected." "On deck under cover." "Under deck away from heat." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden boxes, (ICC-15A, 15B, 15C, 16A, 16A) WIMC, not over 250 lb. gr. wt.
Sodium hydride-----	<i>A greyish-white, practically odorless powder. Readily ignited and burns steadily. Reacts with water or moisture to evolve an inflammable gas. Keep cool and dry.</i>	Yellow-----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-5, 6B, 6C) not over 110 gal. cap. (ICC-17H) STC, not over 55 gal. cap. (ICC-37A, 37B) STC with hermetically sealed closure not over 6 gal. cap. packed in strong outside wooden boxes. Wooden boxes, (ICC-15A, 15B) WIMC not over 250 lb. gr. wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted-----	Not permitted-----	Not permitted-----
Stowage: "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-5, 6B, 6C) not over 110 gal. cap. (ICC-17H) STC, not over 55 gal. cap. (ICC-37A, 37B) STC with hermetically sealed closure not over 6 gal. cap. packed in strong outside wooden boxes. Wooden boxes, (ICC-15A, 15B) WIMC, not over 250 lb. gr. wt.	Ferry stowage (AA)----- Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-5, 6B, 6C) not over 110 gal. cap. (ICC-17H) STC, not over 55 gal. cap. (ICC-37A, 37B) STC with hermetically sealed closure not over 6 gal. cap. packed in strong outside wooden boxes. Wooden boxes, (ICC-15A, 15B) WIMC, not over 250 lb. gr. wt.	Ferry stowage (BD). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-5, 6B, 6C) not over 110 gal. cap. (ICC-17H) STC, not over 55 gal. cap. (ICC-37A, 37B) STC with hermetically sealed closure not over 6 gal. cap. packed in strong outside wooden boxes. Wooden boxes, (ICC-15A, 15B) WIMC, not over 250 lb. gr. wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Sodium hydrosulfite.....	White or grayish-white crystalline powder. Oxidizes in air, and more readily so in presence of moisture, giving off sulfur dioxide, a pungent, intensely irritating gas and causing sufficient heat for spontaneous ignition. Very soluble in water. Refuse damaged containers. Stow away from heat. Do not stow with combustible materials, explosives, or acids (white label). Keep dry and cool.	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17E, 17H, 37K) STC, not over 55 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. net wt. Plywood drums (ICC-22B) WIMC, not over 220 lb. gr. wt.
Sodium, metallic.....	Sodium, metallic is a light silver-white metal, lustrous when freshly cut. Burns with a yellow flame. Violently decomposes water forming sodium hydroxide and hydrogen which ignites spontaneously. Do not stow with combustible materials, explosives, acids (white label), inflammable liquids (red label), oxidizing materials (yellow label). Keep dry.	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6, 6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Sodium must be fused solid in the container. (ICC-37A, 37B) STC, not over 6 gal. cap. Not more than 4 drums in one strong outside wooden box. Wooden boxes (ICC-15A, 15B) with hermetically sealed metal inside containers, not over 250 lb. net wt. Fiberboard boxes (ICC-12B) WIMC, not over 90 lb. gr. wt. Tank cars complying with ICC regulations. ICC approved aluminum carrier tubes, WIC not over 60 gm. net wt. Sodium metallic immersed in neutral oil may also be accepted in: Wooden boxes (ICC-15A, 15B) WIMC (ICC-37A, 37B) STC, not over 30 lb. net wt. or inside glass containers each in a tin container, outside container not over 250 lb. gr. wt. Sodium metallic cylindrical or rectangular blocks not less than 6 in. in length and not less than 2 in. in any other dimension may be accepted in metal drums: (ICC-17C) STC, not over 300 lb. net wt. (ICC-17H, 37A, 37B) STC, not over 30 lb. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck under cover." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17E, 17H, 37K) STC, not over 55 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. net wt. Plywood drums (ICC - 22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (AA)..... Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17E, 17H, 37K) STC, not over 55 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. net wt. Plywood drums (ICC - 22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17E, 17H, 37K) STC, not over 55 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. net wt. Plywood drums (ICC - 22B) WIMC, not over 220 lb. gr. wt.
Not permitted.....	Not permitted.....	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Sodium, metallic, dispersed in organic solvent.	Sodium, metallic is a light silver-white metal. Burns with a yellow flame. Violently decomposes water forming sodium hydroxide and hydrogen which ignites spontaneously. Do not stow with combustible materials, explosives, acids (white label), inflammable liquids (red label), oxidizing materials (yellow label). Keep dry. In accepting shipments observe outside containers carefully for signs of leakage. Refuse leaking packages, or ones showing signs of having leaked.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A) WIMC, not over 100 lb. gr. wt. Metal drum (ICC-17H) WIC (ICC-17E) not over 30 gal. cap. Fiberboard box (ICC-12B) WIMO not over 65 lb. gr. wt.
Sodium methylate, dry.	An inflammable solid in the form of a white amorphous free-flowing powder. Sensitive to oxygen. Decomposed by water. Stow separate from all combustible materials, explosives, inflammable liquids (red label), or acids (white label). Keep dry.	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1,700 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 50 gal. cap. and not exceeding 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMO, not over 220 lb. gr. wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted	Not permitted	Not permitted.
Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 50 gal. cap. and not exceeding 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt.	Ferry stowage (AA) Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1,700 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 50 gal. cap. and not exceeding 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMO, not over 220 lb. gr. wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. and not exceeding 880 lb. gr. wt. (ICC-6B, 6C) not over 110 gal. cap. and not exceeding 1,700 lb. gr. wt. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. and not exceeding 600 lb. net wt. (ICC-11A, 11B) WIC, not over 50 gal. cap. and not exceeding 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMO, not over 220 lb. gr. wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Sodium nitrite	<i>A yellowish-white salt somewhat moist in appearance. It is an oxidizing material which while containing less oxygen than the nitrates, is more readily decomposed, and therefore generally more active. When mixed with organic matter, it is more readily ignited than a corresponding mixture of sodium nitrate. Sodium nitrite if mixed with ammonium salts decomposes spontaneously and may cause fires. Absorbs moisture. Soluble in water. Involved in a fire will greatly intensify the burning of all combustible materials. Do not stow with ammonium nitrate. Stow away from all combustible materials, explosives or acids (white label). Mixtures of sodium nitrate, sodium nitrite and potassium nitrate.</i>	Yellow	Stowage: "On deck protected." "On deck under cover." "Tween decks." "Under deck away from heat." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 60 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 55 lb. gr. wt. Fiber drum (ICC-21C) not over 400 lb. net wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt. Multi-wall paper bags: (ICC-44C) WIL, not over 100 lb. net wt.
Sodium nitrite mixtures			

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 60 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 55 lb. gr. wt. Fiber drum (ICC-21C) not over 400 lb. net wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt. Multi-wall paper bags: (ICC-44C) WIL, not over 100 lb. net wt.	Ferry stowage (AA) Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 60 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 55 lb. gr. wt. Fiber drum (ICC-21C) not over 400 lb. net wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt. Multi-wall paper bags: (ICC-44C) WIL, not over 100 lb. net wt.	Ferry stowage (BB) Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 60 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 55 lb. gr. wt. Fiber drum (ICC-21C) not over 400 lb. net wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt. Multi-wall paper bags: (ICC-44C) WIL, not over 100 lb. net wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Sodium peroxide.....	<i>Yellowish-white granular powder. Absorbs water from the air. In contact with organic matter or readily oxidizable substances ignition and explosion may take place. Soluble in water. Do not stow in same compartment with explosives or acids (white label). Do not stow with combustible materials or other oxidizing substances (yellow label). Keep cool and dry.</i>	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 400 lb. gr. wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIMC, not over 65 lb. gr. wt.
Sodium picramate, wet with 20% water. NOTE: Transportation of sodium picramate containing less than 20% by weight of water is not permitted. Shipping containers must have marked thereon the gross, tare, and net weight of the package	<i>An inflammable material in the form of a dark red, finely divided crystalline powder. When dry, and involved in fire, will burn with almost explosive rapidity.</i> Outside containers must be marked "Sodium picramate—20% water." Reject leaking containers or containers that show signs of having leaked.	Yellow.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden barrels or kegs (ICC-10A, 10B) not over 50 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt.
Sodium potassium alloys.	<i>Alloys of sodium and potassium. Stow separate from combustible materials, explosives and acids (white label). Keep dry. Do not overstuff with other cargo. Care must be taken to prevent damage to the containers.</i>	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Metal barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6, 6B, 6C) not over 110 gal. cap. (ICC-17C) STC, not over 55 gal. cap. Metal drums (ICC-37A, 37B) STC, not over 6 gal. cap. Not more than 4 drums in one strong outside wooden box. Wooden boxes: (ICC-15A, 15B) with hermetically sealed metal inside containers, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12B) WIMC, not over 90 lb. gr. wt. ICC approved aluminum carrier tubes, WIC not over 50 gm. net wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Strontium peroxide.....	<i>Practically odorless, white fine powder. Active oxidizing material and dangerously accelerates combustion of organic material. Sparks are readily produced by mild friction. Decomposes on heating. Insoluble in water. Do not stow with combustible materials, explosives, or acids (white label). Keep cool and dry.</i>	Yellow.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) 8TC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 60 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes, (ICC-15A, 15B, 15C, 16, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiberdrums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.
Tankages: Garbage tankage (containing less than 8% moisture).	<i>Garbage tankage is the product obtained after digesting and extracting grease from garbage. It consists principally of vegetable fibers and is dried and ground.</i>	Yellow.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Hermetically sealed metal-lined wooden boxes. Airtight metal containers.
Rough ammoniate tankages (containing less than 7% moisture).	<i>Rough ammoniate tankages are made from ammoniates such as leather scrap, horns, hoofs, garbage, hair waste, felt waste, dried and ground.</i>	Yellow.	
Tankage fertilizers (containing less than 8% moisture). NOTE: Tankages having a temperature above 100° F., when loaded, are subject to these restrictions regardless of moisture content.	<i>Tankage fertilizers consist chiefly of various kinds of slaughterhouse scraps and offal. The above substances when over-dried are subject to spontaneous heating and ignition.</i>	Yellow.	

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Tetranitromethane.....	<i>A colorless liquid. Boiling point 258° F. Insoluble in water. Do not stow with combustible materials, explosives, acids (white label), or inflammable liquids (red label).</i>	Yellow -----	Stowage: "On deck protected." "On deck under cover." Outside containers: Metal barrels or drums: ICC-6A WIMC not less than 20 gauge not over 55 gal. cap. ICC-6B, 6C WIMC not less than 20 gauge not over 110 gal. cap. Wooden boxes (ICC-15A, 15B) WIC, not over 150 lb. gr. wt.
Thorium metal powder.	<i>A soft grayish powder. Burns at an intense white heat when ignited. May be ignited by friction between metal surfaces. Application of water on burning mass may cause hydrogen explosion. Insoluble in water. Do not stow with combustible materials, explosives, acids (white label), or inflammable liquids (red label). Do not overstuff with other cargo. Keep dry.</i>	Yellow -----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B) WIMC, not over 75 lb. gr. wt. Note: Thorium metal powder packed in tightly and securely closed metal cans, cushioned with incombustible material in strong outside wooden or fiberboard boxes, and not exceeding 4 ounces net weight in one outside shipping container, is exempt from specification packaging, marking other than name of contents, and labeling requirements.
Titanium metal powder, dry.	<i>A soft grayish powder. May be ignited by spark, flame, or friction when dry. Do not stow with combustible materials, explosives, acids (white label), or inflammable liquids (red label). Do not overstuff with other cargo. Keep dry.</i>	Yellow -----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums (ICC-17H, 37A) STC, WIMC, not over 55 gal. cap. Metal barrels or drums (ICC-5B) not over 15 gal. cap. Wooden boxes (ICC-15A, 15B) WIMC not over 75 lb. gr. wt.
Titanium metal powder, wet, with not less than 20% water. Shipping containers shall have marked thereon the gross, tare and net weight of the package.	<i>A soft grayish powder. May be ignited by spark, flame, or friction when dry. Check gross weight of container to ascertain if leakage has occurred. Reject leaking containers or ones that show signs of having leaked.</i>	Yellow -----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A, 15B) WIMC, 1 can, not less than 22 gauge not over 10 gal. cap. or 12 cans not over 1 gal. cap. each.
Trinitrobenzene wet (when wet with not less than 10% of water and in a quantity not exceeding 16 ounces in one outside package).			May be packed and shipped as "Drugs, chemicals, medicines or cosmetics," which see.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.
Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes (ICC-15A, 15B) WIMC, 1 can, not less than 22 gauge not over 10 gal. cap. or 12 cans not over 1 gal. cap. each.	Ferry stowage (AA)..... Outside containers: Wooden boxes (ICC-15A, 15B) WIMC, 1 can, not less than 22 gauge not over 10 gal. cap. or 12 cans not over 1 gal. cap. each.	Ferry stowage (BB). Outside containers: Wooden boxes (ICC-15A, 15B) WIMC, 1 can, not less than 22 gauge not over 10 gal. cap. or 12 cans not over 1 gal. cap. each.
May be packed and shipped as "Drugs, chemicals, medicines or cosmetics," which see.	May be packed and shipped as "Drugs, chemicals, medicines or cosmetics," which see.	May be packed and shipped as "Drugs, chemicals, medicines or cosmetics," which see.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Trinitrobenzoic acid, wet with not less than 10% water, in excess of 16 ounces, but not exceeding 25 pounds. Trinitrobenzoic acid, wet with not less than 10% water in a quantity not exceeding 16 ounces in one outside package may be accepted as "Drugs, chemicals, or medicines".	<i>In the dry state, this material is classified by these regulations as a high explosive but is not sensitive in this respect when wet with at least 10% water.</i> Do not stow with metals, metallic powders, finely divided organic materials, lime, potash, soda or any chlorates, nitrates or other oxidizing materials (yellow label), explosives, or acids (white label). Stow away from living quarters. Keep cool. Shipping containers shall have marked thereon the gross, tare and net weight of the package. In accepting shipments observe outside containers carefully for signs of leakage of water content. Refuse leaking containers, or ones showing signs of having leaked.	Yellow-----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A) WIC, not to exceed 25 lb. dry weight of material in one outside container.
Trinitrotoluene, wet (when wet with not less than 10% of water and in a quantity not exceeding 16 ounces in one outside package). Urea nitrate, wet with not less than 10% water, in excess of 16 ounces but not exceeding 25 pounds. Shipping containers must have marked thereon the gross, tare, and net weight of the package. Note: Urea nitrate, wet with not less than 10% water in quantity not exceeding 16 ounces in 1 outside package may be accepted as "Drugs, chemicals, medicines, or cosmetics."	<i>Colorless solution or wet slurry of white odorless crystals. Highly acidic in reaction with containers.</i> <i>Incombustible when wet.</i> <i>Soluble in water.</i> Do not stow with metals, metallic powders, finely divided organic material lime, potash, soda, or any chlorates, nitrates or other oxidizing materials (yellow label), explosives, or acids (white label). Stow away from living quarters. Keep cool. In accepting shipments observe outside containers carefully for signs of leakage of the water content. Refuse leaking packages, or ones showing signs of having leaked.	Yellow-----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Wooden boxes (ICC-15A) WIC, not to exceed 25 lb. dry weight of material in one outside container.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted-----	Not permitted-----	Not permitted.
Not permitted-----	Not permitted-----	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Wet nitrocellulose—20% water. Wet nitrocellulose, colloidal, granular or flake—20% water. Material must be uniformly wet with at least 20 lb. of water to 80 lb. of dry material. Shipping containers must have marked thereon the gross, tare, and net weight of the package. For export shipment only, the shipping name "Colloidon cotton wet with water" may be used when required by the country of destination.	An inflammable solid consisting of nitrated cotton. When wet with not less than 20% water, this substance is classified as an inflammable solid. When dry it is classified as a high explosive. Inclosed in a fire, it will give off nitrous fumes, deep orange in color, and extremely irritating and poisonous. Check gross weight of container to be certain no leakage has occurred. Refuse leaking containers or ones that show signs of having leaked. Outside containers must be marked "Wet nitrocellulose—20% water."	Yellow-----	Stowage: "On deck protected." "On deck in open." "On deck under cover." "Tween decks." "Under deck away from heat." Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C, 6J) not over 490 lb. gr. wt. (ICC-17E, 17H) STC, not over 490 lbs. gr. wt. (ICC-37A, 37B) STC, not over 5 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B) not over 490 lb. gr. wt. Wooden boxes: (ICC-14) WIL, ICC(2M) not over 140 lb. gr. wt. (ICC-15A, 15B) WIL, ICC(2M) not over 250 lb. gr. wt. Aluminum barrels or drums (ICC-42F) not over 490 lb. gr. wt.
Wet nitroguanidine—20% water. Material must be uniformly wet with at least 20 lb. of water to 80 lb. of dry material. Shipping containers must have marked thereon the gross, tare, and net weight of the package.	Formed by nitration of guanidine. Characteristics and hazards as for "Wet nitrocellulose—20% water"; see above. Outside containers must be marked "Wet nitroguanidine—20% water."	Yellow.	
Wet nitrostarch—20% water. Material must be uniformly wet with at least 20 lb. of water to 80 lb. of dry material. Shipping containers must have marked thereon the gross, tare, and net weight of the package.	Formed by nitration of starch. Characteristics and hazards as for "Wet nitrocellulose—20% water"; see above. Outside containers must be marked "Wet nitrostarch—20% water."	Yellow.	
Zinc ammonium nitrite.	A light brown powder, active and hazardous. Decomposes over temperature range of 160° to 200° F., evolving undesirable oxides of nitrogen gas. Can be ignited by external source of flame, and burns vigorously. Do not stow with combustible materials. Stow away from sources of heat.	Yellow-----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Metal barrels or drums: (ICC-6A, 6B, 6C) not over 55 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck in open." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C, 6J) not over 490 lb. gr. wt. (ICC-17E, 17H) STC, not over 490 lb. gr. wt. (ICC-37A, 37B) STC, not over 5 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B) not over 490 lb. gr. wt. Wooden boxes: (ICC-14) WIL, ICC(2M) not over 140 lb. gr. wt. Wooden boxes: (ICC-14) WIL, ICC(2M) not over 140 lb. gr. wt. (ICC-15A, 15B) WIL, ICC(2M) not over 250 lb. gr. wt. Aluminum barrels or drums (ICC-42F) not over 490 lb. gr. wt.	Ferry stowage (AA)----- Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C, 6J) not over 490 lb. gr. wt. (ICC-17E, 17H) STC, not over 490 lb. gr. wt. (ICC-37A, 37B) STC, not over 5 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B) not over 490 lb. gr. wt. Wooden boxes: (ICC-14) WIL, ICC(2M) not over 140 lb. gr. wt. (ICC-15A, 15B) WIL, ICC(2M) not over 250 lb. gr. wt. Aluminum barrels or drums (ICC-42F) not over 490 lb. gr. wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A, 6B, 6C, 6J) not over 490 lb. gr. wt. (ICC-17E, 17H) STC, not over 490 lb. gr. wt. (ICC-37A, 37B) STC, not over 5 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B) not over 490 lb. gr. wt. Wooden boxes: (ICC-14) WIL, ICC(2M) not over 140 lb. gr. wt. (ICC-15A, 15B) WIL, ICC(2M) not over 250 lb. gr. wt. Aluminum barrels or drums (ICC-42F) not over 490 lb. gr. wt.
Not permitted-----	Not permitted-----	Not permitted.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Zinc peroxide-----	<i>A fine, white, practically odorless powder. Rather active oxidizing material. Accelerates combustion of organic materials. Insoluble in water. Do not stow with combustible materials, explosives, or acids (white label). Keep cool and dry.</i>	Yellow-----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMO, not over 220 lb. gr. wt.

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck under cover." "Tween decks readily accessible." Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (AA)----- Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMC, not over 220 lb. gr. wt.	Ferry stowage (BB). Outside containers: Steel barrels or drums: (ICC-6A) not over 55 gal. cap. (ICC-6B, 6C) not over 110 gal. cap. (ICC-17C, 17E, 17H, 37A, 37B) STC, not over 55 gal. cap. Wooden barrels or kegs: (ICC-10A, 10B, 10C) not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 600 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 250 lb. gr. wt. Fiberboard boxes (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. Fiber drums (ICC-21C) not over 250 lb. gr. wt. Plywood drums: (ICC-22A) not over 220 lb. gr. wt. (ICC-22B) WIMO, not over 220 lb. gr. wt.

Table E—Classification: Inflammable

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Zirconium metal, dry (in an atmosphere of inert gas, mechanically produced finer than 270 mesh particle size or chemically produced finer than 20 mesh particle size). NOTE 1: Zirconium metal, mechanically produced coarser than 270 mesh particle size and chemically produced coarser than 20 mesh particle size in strong tight containers is not subject to the regulations in this table. For Zirconium scrap see: "Magnesium scrap, etc." NOTE 2: Chemically produced signifies produced by means other than attrition or grinding. NOTE 3: Any product containing 10% or more, particle size specified, shall be subject to these regulations.	<i>A dark gray combustible metallic solid. Insoluble in water. Do not stow with combustible materials, explosive or acids (white label).</i>	Yellow-----	Stowage: "On deck protected." "On deck under cover." Outside containers: Metal barrels or drums: (ICC-6A, 6B, 6C) WIMC ICC-2R, not over 150 lb. net wt. (ICC-17C, 17H, 37A) STC WIMC ICC-2R, not over 150 lb. net wt.
Zirconium metal, wet (mechanically produced finer than 270 mesh particle size or chemically produced finer than 20 mesh particle size with a minimum of 25% water by weight). Shipping containers must have marked thereon the gross, tare and net weight of the package. NOTE 1: Any product containing less than 25% water by weight is considered dry for purposes of these regulations. NOTE 2: Any product containing 10% or more Zirconium metal, particle size specified, shall be subject to these regulations.	<i>The above described dry crystalline material, wet with water or in water. Will burn strongly when ignited. Insoluble in water. Check gross weight of container to be certain no leakage has occurred. Refuse leaking containers or one showing signs of having leaked. If the material is to be exposed to freezing weather, anti-freeze must be added to keep from freezing.</i>	Yellow-----	Stowage: "On deck protected." "On deck under cover." Outside containers: Metal barrels or drums: (ICC-6A, 6B, 6C) WIMC ICC-2A not over 10 lb. net wt. ea., total not over 150 lb. net wt. (ICC-17H, 17C) STC WIMC ICC-2A not over 10 lb. net wt. ea., total not over 150 lb. net wt. (ICC-37P) NRC, not over 5 gal. cap. Wooden boxes: (ICC-15A, 15B) WIMC ICC-2A not over 10 lb. net wt. ea., total not over 40 lb. net wt. Wooden kegs (ICC-10A) not over 75 lb. net wt.
Zirconium picramate, wet with 20% water. Shipping containers must have marked thereon the gross, tare and net weight of the package.	<i>Zirconium picramate must be wet with not less than 20% by weight of water. Reject leaking containers or containers showing signs of having leaked.</i>	Yellow-----	Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden barrels or kegs (ICC-10A, 10B) not over 60 gal. cap. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) with inside glass containers not exceeding 1 qt. cap. each, not over 250 lb. gr. wt.

(R.S. 4405, as amended, 4462, as amended, 4472, as amended; 48 U.S.C. 375, 416, 170. Interprets or applies sec. 3, 68 Stat. 675, 50 U.S.C. 198; E.O. 10402, 17 F.R. 9917, 3 CFR, 1952 Supp.) [CGFR 52-41, 17 F.R. 10313, Nov. 13, 1952; CGFR 53-54, 18 F.R. 8236, Dec. 16, 1953; CGFR 54-16, 19 F.R. 4932, Aug. 6, 1954; by CGFR 54-52, 19 F.R. 8516, Dec. 14, 1954; CGFR 55-20, 20 F.R. 4061, June 10, 1955; CGFR 55-40, 20 F.R. 6155, Aug. 24, 1955; CGFR 56-21, 21 F.R. 3536, May 25, 1956; CGFR 56-29, 21 F.R. 7073, Sept. 20, 1956; CGFR 57-33, 22 F.R. 8626, Oct. 29, 1957; CGFR 57-49, 22 F.R. 10061, Dec. 14, 1957; CGFR 58-1, 23 F.R. 480,

solids and oxidizing materials—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted-----	Not permitted-----	Not permitted-----
Not permitted-----	Not permitted-----	Not permitted-----
Not permitted-----	Not permitted-----	Not permitted-----

Jan. 24, 1958; CGFR 58-9, 23 F.R. 4897, June 28, 1958; CGFR 58-48, 23 F.R. 9637, Dec. 12, 1958; CGFR 59-14, 24 F.R. 5273, June 30, 1959; CGFR 60-33, 25 F.R. 5238, June 11, 1960; CGFR 60-70, 25 F.R. 11211, Nov. 26, 1960; CGFR 61-11, 26 F.R. 3924, May 5, 1961; CGFR 61-44, 26 F.R. 11020, Nov. 23, 1961; CGFR 62-11, 27 F.R. 5283, June 5, 1962; CGFR 62-48, 27 F.R. 12135, Dec. 7, 1962; CGFR 63-19, 28 F.R. 5381, May 30, 1963; CGFR 64-20, 29 F.R. 6793, May 23, 1964; CGFR 64-83, 29 F.R. 18164, Dec. 22, 1964; CGFR 65-17, 30 F.R. 7441, June 5, 1965]

Subpart 146.23—Detailed Regulations Governing Corrosive Liquids

§ 146.23-1 Definitions of corrosive liquids.

Corrosive liquids are defined by the ICC regulations as those acids, alkaline caustic liquids, and other corrosive liquids which, when in contact with living tissues, will cause severe damage of such tissues by chemical action; or in case of leakage, will materially damage or destroy other freight by chemical action, or are liable to cause fire when in contact with organic matter or with certain chemicals. Such definition is binding upon all shippers making shipments of corrosive liquids by common carrier vessels engaged in interstate or foreign commerce by water. This definition is accepted and adopted and forms part of the regulations in this subchapter applying to all shippers making shipments of corrosive liquids by any vessel, and shall apply to owners, charterers, agents or other persons transporting, carrying, conveying, storing, stowing, or using corrosive liquids on board any vessel subject to R. S. 4472, as amended, and this subchapter.

[CGFR 52-41, 17 F.R. 10348, Nov. 13, 1952]

§ 146.23-5 Stowage on board vessels.

All corrosive liquids permitted for transportation on board vessels shall, if taken on board a vessel, be stowed in accordance with the provisions applying to the particular character of vessel as shown in the tables forming § 146.23-100 and with the detailed regulations for stowage.

[CGFR 52-41, 17 F.R. 10348, Nov. 13, 1952]

§ 146.23-10 General stowage requirements.

In the stowage of corrosive liquids, the following conditions shall be observed:

(a) Corrosive liquids shall be stowed well away from living quarters, food-stuffs or cargo of an organic nature.

(b) Stowage shall be in such manner that the containers may be readily observed.

(c) Corrosive liquids shall not be stowed over any combustible substance even though such substance is not dangerous by the regulations in this part.

[CGFR 59-14, 24 F.R. 5274, June 30, 1959]

§ 146.23-13 Use of power-operated industrial trucks in spaces containing corrosive liquids.

(a) Any approved power-operated industrial truck (see § 146.09-15) may be used in spaces in which corrosive liquids are stowed, including the handling thereof, unless otherwise restricted by regulations in this part.

[CGFR 51-44, 26 F.R. 11020, Nov. 23, 1961]

§ 146.23-15 Stowage of glass carboys.

Glass carboys containing corrosive liquids, unless completely boxed, shall not be stowed more than two tiers high. The transportation of acids and other corrosive liquids in glass carboys on board barges is not subject to this provision. The term "completely boxed carboys" may include regularly boxed carboys with neck protection extending to the sides of the carboy box; or of crate construction; either type to be of strength commensurate with the strength of the carboy box itself and to be sufficiently adequate to permit stacking one on top of the other.

[CGFR 52-41, 17 F.R. 10348, Nov. 13, 1952]

§ 146.23-20 "On deck" stowage requirements.

(a) Acids, alkaline caustic liquids, and other corrosive liquids permitted to be stowed "On deck" shall be so stowed that any leakage from a container will drain away from other cargo and readily reach an overboard scupper or freeing port. Such drainage shall not be permitted to enter an enclosed drainage system other than a direct overboard scupper. If such stowage is not possible to arrange, clean, hard, dry sand shall be placed under and around the lower tier of containers to absorb any leakage.

(b) Dunnage shall be provided on the deck and otherwise and so arranged that any appreciable leakage will be apparent.

(c) Any leakage occurring shall be washed down, using liberal quantities of water.

[CGFR 52-41, 17 F.R. 10348, Nov. 13, 1952]

§ 146.23-25 Stowage of corrosive liquids with explosives and other dangerous articles.

The stowage of corrosive liquids with explosives and other dangerous articles

shall conform to the following conditions:

(a) Corrosive liquids shall not be stowed "Under deck" on a vessel carrying Class A or Class B explosives unless one complete hatch or the engine and boiler room spaces intervene, nor "On deck" on a vessel carrying Class A or Class B explosives unless the engine and boiler room spaces or the bridge structural erection intervene.

(b) Corrosive liquids shall not be stowed in the same hold or compartment with Class C explosives.

(c) Corrosive liquids shall not be stowed in the same hold or compartment with inflammable liquids.

(d) Corrosive liquids shall not be stowed in the same hold or compartment with inflammable solids.

(e) Corrosive liquids shall not be stowed in the same hold or compartment with oxidizing materials.

(f) Corrosive liquids shall not be stowed adjacent to or over cylinders of compressed gases.

(g) Corrosive liquids shall not be stowed adjacent to or over containers of poisonous articles.

(h) Corrosive liquids shall not be stowed adjacent to or over containers of hazardous articles.

(i) Corrosive liquids shall not be stowed in the hold or compartment over one in which cotton is stowed unless the deck is of steel and the hatch is fitted with a tight coaming and the deck itself is tight against leakage. Corrosive liquids shall not be stowed over the square of the hatch.

[CGFR 59-14, 24 F.R. 5274, June 30, 1959, as amended, CGFR 60-33, 25 F.R. 5240, June 11, 1960]

§ 146.23-30 Exemptions for corrosive liquids.

(a) Acids, alkaline caustic liquids and other corrosive liquids except those enumerated in paragraph (c) of this section, in inside bottles having a capacity not over 1 pound or 16 ounces by volume, each enclosed in a metal can, and packed in outside containers are exempt from specification packaging, marking other than name of contents, and labeling requirements unless otherwise provided by the regulations in this part.

(b) Such limited quantity shipments may be accepted on board all vessels subject to the regulations in this part provided the bill of lading or other shipping paper correctly describes the article in accordance with the true name as shown in the commodity list. Stowage shall be "On deck under cover" or "Tween decks" in a compartment not subject to artificial heat.

(c) The provisions of paragraph (a) of this section do not extend to shipments of the following acids, alkaline caustic liquids, and other corrosive liquids:

Acid sludge.
Allyl chloroformate.
Amyl trichlorosilane.
Antimony pentafluoride.
Benzyl bromide.
Benzyl chloroformate.
Boron trichloride.
Bromine.
Bromine pentafluoride.
Bromine trifluoride.
Bromotoluene, alpha.
Butyl trichlorosilane.
Chloroacetyl chloride.
Chlorine trifluoride.
Chromyl chloride.
Diethyl dichlorosilane.
Difluorophosphoric acid, anhydrous.
Dimethyl sulfate.
Diphenyl dichlorosilane.
Electrolyte or alkaline corrosive battery fluid packed with storage batteries, battery chargers, or radio current supply devices.
Ethyl chloroformate.
Ethyl phenyldichlorosilane.
Fluosulfonic acid.
Hexafluorophosphoric acid.
Hexyl trichlorosilane.
Hydrazine, anhydrous.
Hydrazine solution containing 50 percent or less of water.
Hydrofluoric acid, anhydrous.
Hydrofluoric and sulfuric acids, mixtures.
Hydrogen peroxide over 52 percent strength by weight.
Hypochlorite solution containing more than 7 percent available chlorine by weight.
Iodine monochloride.
Isopropyl percarbonate, stabilized.
Less-than-carload and less-than-truckload shipments of wet electric storage batteries.
Methyl chloroformate.
Monofluorophosphoric acid, anhydrous.
Nitrating (mixed) acid.
Nitric acid.
Nitrohydrochloric acid.
Nitrohydrochloric acid diluted.

Octyl trichlorosilane.
 Phenyl trichlorosilane.
 Phosphorus oxybromide.
 Phosphorus oxychloride.
 Phosphorus tribromide.
 Phosphorus trichloride.
 Propyl trichlorosilane.
 Spent acid (sulfuric or mixed).
 Sulfur chloride.
 Thionyl chloride.
 Thiophosphoryl chloride.

(d) Other exemptions from specification packaging, marking other than name of contents, and labeling requirements are shown in the tables under the specific article.

[CGFR 52-41, 17 F.R. 10348, Nov. 13, 1952, as amended by CGFR 54-52, 19 F.R. 8520, Dec. 14, 1954; CGFR 57-33, 22 F.R. 8648, Oct. 29, 1957; CGFR 57-49, 22 F.R. 10061, Dec. 14, 1957; CGFR 62-11, 27 F.R. 5285, June 5, 1962]

§ 146.23-100 Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Acetyl chloride.....	<i>A clear, colorless, fuming liquid. Gives off fumes which are extremely irritating to the eyes. Decomposes violently with water or alcohol with the evolution of hydrochloric acid fumes which are irritating and suffocating. Inflammable. Flashpoint 40° F. Boiling point 185° F. Do not stow adjacent to alcohol. Protect stowage from water. Protect from sparks and open flame. Keep cool.</i>	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A), not over 13 gal. cap. Carboys, boxed, glass (ICC-1D), not over 6½ gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C), not over 13 gal. cap. Carboys in plywood drums, glass (ICC-1E), not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Steel barrels or drums (ICC-5A, 5B) not over 110 gal. cap. (ICC-17C) STC not over 55 gal. cap. Nickel drums (ICC-5K), not over 110 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes (ICC-15A, 15B, 16C, 16A, 19A) WIC, not over 200 lb. gr. wt. Portable tanks (ICC-60), not over 8,000 lb. gr. wt. Tank cars complying with ICC regulations.

§ 146.23-35 Sulfuric acid in bulk.

(a) Sulfuric acid or spent sulfuric acid may be carried in bulk only in inspected and certificated cargo barges, tank barges, or cargo vessels. For applicable requirements, see Part 98 of Subchapter I (Cargo and Miscellaneous Vessels) of this chapter.

[CGFR 58-9, 23 F.R. 4900, June 28, 1958]

§ 146.23-50 Hydrochloric acid in bulk.

(a) Hydrochloric acid may be carried in bulk only in inspected and certificated cargo barges, tank barges, or cargo vessels. For applicable requirements, see Part 98 of Subchapter I (Cargo and Miscellaneous Vessels) of this chapter.

[CGFR 58-9, 23 F.R. 4900, June 28, 1958]

Corrosive liquids.

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Acids, liquids. N. O. S.	Any acid not otherwise specified by name herein which qualifies under the definition contained in these regulations as a corrosive liquid. Protect from sparks and open flame. Keep cool	White-----	Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, glass, in boxes, kegs or plywood drums: (ICC-1A, 1B, 1C, 1E) not over 13 gal. cap. (ICC-1D) not over 6½ gal. cap. For export only (ICC-1X) not over 6 gal. cap. Carboys, lead, metal jacketed (ICC-2B) not over 15 gal. cap. Metal barrels or drums: (ICC-5A, 5C, 5M) not over 110 gal. cap. (ICC-5D) rubber lined, not over 110 gal. cap. (ICC-5H) lead lined, not over 110 gal. cap. (ICC-17C, 17E, 17F) RTC, not over 55 gal. cap. (ICC-17H, 37A, 37B) RTC, lined, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Cylindrical steel overpack: (ICC-61), 37M (NRC), WIC ICC-28 or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 260 lb. gr. wt. (ICC-161) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. NOTE: Specification containers shall be of a design and constructed of materials that will not react dangerously with nor be decomposed by the chemical packed therein

Corrosive liquids—Continued

Required conditions for transportation —Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted-----	Not permitted-----	Not permitted.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Alkaline corrosive battery fluid.	Usually colorless, odorless, liquids. Neither volatile nor combustible. Hazardous in contact with certain textiles and metals.	White.	Stowage: "On deck protected." "On deck under cover." "On deck in open." Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys, in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-2A) not over 15 gal. cap. Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap., and not over 1,760 lb. gr. wt. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums: (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. (ICC-37I) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6I), 37M (NRC), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin or wax lined, not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16B) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Portable tanks: (ICC-60) not over 8,000 lb. gr. wt. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Mailing tubes (ICC-29) WIC of polyethylene, not over one quart cap. each. Tank cars complying with ICC regulations.
Alkaline caustic liquids, N. O. 8	Liquid used in alkaline storage batteries. For characteristics and hazards see "Alkaline corrosive, liquids, N. O. 8."	White.	
Alkaline, corrosive liquids, N. O. 8.	May be any alkaline corrosive liquid properly described as such in accordance with the definition for a corrosive liquid and not otherwise specified by name in these regulations. Particularly hazardous in contact with organic substances and textiles. Miscible with water. These materials in inside containers of not more than 8 fluid ounces capacity each, packed and cushioned as specified by ICC regulations are exempt from specification packaging, marking other than name of contents, and labelling requirements.	White.	

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck protected." "On deck under cover." "On deck in open." Outside containers: Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap., and not over 1,760 lb. gr. wt. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums: (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. (ICC-37I) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6I), 37M (NRC), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin or wax lined, not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16B) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Mailing tubes (ICC-29) WIC of polyethylene, not over one quart cap. each.	Ferry stowage (AA). Outside containers: Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap., and not over 1,760 lb. gr. wt. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums: (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. (ICC-37I) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6I), 37M (NRC), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin or wax lined, not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16B) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Mailing tubes (ICC-29) WIC of polyethylene, not over one quart cap. each.	Ferry stowage (BB). Outside containers: Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap., and not over 1,760 lb. gr. wt. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums: (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. (ICC-37I) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6I), 37M (NRC), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin or wax lined, not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16B) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Portable tanks: (ICC-60) not over 8,000 lb. gr. wt. Fiberboard boxes: (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Mailing tubes (ICC-29) WIC of polyethylene, not over one quart cap. each. Tank cars complying with ICC regulations.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Allyl chloroformate. Allyl chlorocarbonate.	<i>A clear, corrosive liquid having a pungent odor. Fumes irritating to eyes and tissue. Flash point 88° F. Protect from sparks and open flame. Keep cool.</i>	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Metal drums, lead-lined (ICC-5H) not over 55 gal. cap. Wooden boxes (ICC-15A, 15B, 15C) WIC, not over 200 lb. gr. wt.
Allyl trichlorosilane.	<i>A water-white liquid with a pungent irritating odor. Fumes readily in moist air to evolve irritating and corrosive vapors. Avoid prolonged breathing of fumes. In event of spillage, flush with large quantities of water.</i>	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums: (ICC-5, 5A, 5B, 5C) not over 55 gal. cap. (ICC-5F) not over 11 gal. cap. (ICC-17E) STC not over 55 gal. cap. (ICC-17H, 37A), STC, WIC not over 55 gal. cap. Wooden boxes: (ICC-15A, 15B) WIC, not over 200 lb. gr. wt. Cylinders as prescribed for any compressed gas except acetylene. Tank cars complying with ICC regulations.
Amyl trichlorosilane.	<i>Water-white liquid having a pungent and acid odor. Fumes strongly when exposed to moist air. Vapors are corrosive and irritating. Avoid prolonged breathing of fumes. In event of spillage flush with large quantities of water.</i>	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums: (ICC-5, 5A, 5B, 5C) not over 55 gal. cap. (ICC-5F) not over 11 gal. cap. (ICC-17E) STC, not over 55 gal. cap. (ICC-17H, 37A) STC, WIC, not over 55 gal. cap. Wooden boxes (ICC-15A, 15B) WIC, not over 200 lb. gr. wt. Cylinders as prescribed for any compressed gas except acetylene. Tank cars complying with ICC regulations.
Anisoyl chloride.	<i>A slightly viscous, brown colored liquid having a sharp penetrating odor. It is reasonably stable thermally. Fumes somewhat when exposed to moist air, evolving a corrosive and irritating vapor. Avoid prolonged breathing of fumes. In event of spillage flush with large quantities of water. Anisoyl chloride in inside containers of not more than 8 fluid ounces capacity each, packed and cushioned as specified by ICC regulations, are exempt from specification packaging, marking other than name of contents, and labelling requirements.</i>	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums (ICC-5, 5C) not over 110 gal. cap.

Corrosive liquids.

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.

Table F—Classification:

Descriptive name of article	Characteristic properties cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Antimony pentachloride.	<i>A heavy, reddish brown liquid, having an offensive odor. Decomposed by water evolving hydrochloric acid, the fumes of which are irritating in contact with mucous membrane and in sufficient quantities will be suffocating. Reacts strongly with organic matter giving off dense fumes. Boiling point 197° F. Keep dry.</i>	White.	Stowage: "On deck protected." "On deck under cover." Outside containers: Metal barrels or drums: (ICC-6A, 5B) not over 110 gal. cap. (ICC-17C) STC, not over 55 gal. cap. Wooden barrels: (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. Portable tanks: (ICC-60) not over 8,000 lb. gr. wt. Tank cars complying with ICC regulations.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.	Not permitted.	Not permitted.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Antimony pentachloride solution.	See "Antimony pentachloride."	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, glass, in boxes, kegs or plywood drums: (ICC-1A, 1B, 1C, 1E) not over 13 gal. cap. (ICC-1D) not over 6½ gal. cap. For export only (ICC-1X) not over 6 gal. cap. Carboys, lead, metal jacketed (ICC-28) not over 15 gal. cap. Metal barrels or drums: (ICC-5A, 5C, 5M) not over 110 gal. cap. (ICC-5L) rubber lined, not over 110 gal. cap. (ICC-5H) lead lined, not over 110 gal. cap. (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. (ICC-17H, 37A, 37B) STC, lined, not over 5 gal. cap. (ICC-371) NRC, not over 5 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC (ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Fiberboard boxes: (ICC-12A, 12B) WIC, not over 65 lb. gr. wt. (ICC-121) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC not over 200 lb. gr. wt. (ICC-16A) WIC (ICC-2U) not over 15 gal. cap. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Tank cars complying with ICC regulations.
Antimony pentafluoride	A colorless liquid at ordinary temperature having a pungent odor. When anhydrous it is not very corrosive to metals but reacts violently with water to develop corrosive decomposition products. May cause fire if anhydrous chemical is brought into contact with readily combustible organic matter. Keep dry.	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Cylinders (ICC-3A150, 3AA150, 3E1800, 3B240, 4B240, 4BA240) closed by means of iron or steel threaded plugs.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Batteries, electric storage, wet. NOTE: Electric storage batteries containing electrolyte or corrosive battery fluid of the nonspillable type, protected against short circuits and completely and securely boxed, are exempt from specification packaging, marking other than name of contents, and labeling requirements.	<i>Charged electric storage batteries containing electrolyte (acid) or alkaline corrosive battery fluid.</i> NOTE: Must be completely protected so that short circuit will be prevented. Must not be packed with other articles except auto parts, electrolyte or corrosive battery fluid, portable searchlight properly cushioned, battery parts or hydrometers, securely packed in a separate container. Observe instructions regarding "This side up" stowage.	White unless exempt from labeling requirements.	Stowage: "On deck in open." "On deck under cover." "Tween decks readily accessible." Outside containers: Special wooden boxes (ICC-16B) not over 500 lb. gr. wt. Special fiberboard boxes (ICC-12B) not over 190 lb. gr. wt. Wooden or metal trays (non-specification). Carload or truckload shipments of electric storage batteries permitted by regulations to be shipped without outside container shall when stowed on board a vessel be packed in wooden or metal trays so constructed as to protect the batteries from damage, short circuit or from the weight of imposed stowage resting upon the batteries. Electric storage batteries with case of asphaltum composition, impregnated rubber, steel case type, synthetic resin (plastic) or wooden battery box type, protected against short circuits and firmly secured to skids or pallets capable of withstanding the shocks normally incident to transportation are exempt from specification packaging if such completed unit meets the requirement of the ICC regulations. Battery terminals must not be relied upon to support any part of the superimposed weight.

Corrosive Liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck in open." "On deck under cover." "Tween decks readily accessible." Outside containers: Special wooden boxes (ICC-15D, 16B) not over 500 lb. gr. wt. Special fiberboard box (ICC-12B) not over 190 lb. gr. wt. Wooden or metal trays (non-specification). Carload or truckload shipments of electric storage batteries permitted by regulations to be shipped without outside container shall when stowed on board a vessel be packed in wooden or metal trays so constructed as to protect the batteries from damage, short circuit or from the weight of imposed stowage resting upon the batteries. Electric storage batteries with case of asphaltum composition, impregnated rubber, steel case type, synthetic resin (plastic) or wooden battery box type, protected against short circuits and firmly secured to skids or pallets capable of withstanding the shocks normally incident to transportation are exempt from specification packaging if such completed unit meets the requirement of the ICC regulations. Battery terminals must not be relied upon to support any part of the superimposed weight.	Ferry stowage (AA)----- Outside containers: Special wooden boxes (ICC-15D, 16B) not over 500 lb. gross wt. Special fiberboard box (ICC-12B) not over 190 lb. gross wt. Electric storage batteries with case of asphaltum composition, impregnated rubber, steel case type, synthetic resin (plastic) or wooden battery box type, protected against short circuits and firmly secured to skids or pallets capable of withstanding the shocks normally incident to transportation are exempt from specification packaging if such completed unit meets the requirement of the ICC regulations. Battery terminals must not be relied upon to support any part of the superimposed weight. Carload or truckload shipments of electric storage batteries containing electrolyte or battery fluid, loaded or braced to prevent damage in transit and short circuits, are exempt from specification packaging, marking other than name of contents, and labeling requirements: <i>Provided</i>, That such shipments constitute the only commodity being transported in the railroad car or motor vehicle body.	Ferry stowage (BB) Outside containers: Special wooden boxes (ICC-15D, 16B) not over 500 lb. gross wt. Special fiberboard box (ICC-12B) not over 190 lb. gross wt. Electric storage batteries with case of asphaltum composition, impregnated rubber, steel case type, synthetic resin (plastic) or wooden battery box type, protected against short circuits and firmly secured to skids or pallets capable of withstanding the shocks normally incident to transportation are exempt from specification packaging if such completed unit meets the requirement of the ICC regulations. Battery terminals must not be relied upon to support any part of the superimposed weight. Carload or truckload shipments of electric storage batteries containing electrolyte or battery fluid, loaded or braced to prevent damage in transit and short circuits, are exempt from specification packaging, marking other than name of contents, and labeling requirements: <i>Provided</i>, That such shipments constitute the only commodity being transported in the railroad car or motor vehicle body.

NOTE: Electric storage batteries wet, with case of asphaltum composition, impregnated rubber, steel case type, synthetic resin (plastic), or wooden battery box type may be packed as follows: 1 to 3 batteries not over 25 lb. each in outside box, gr. wt. not over 75 lb. specification container not required; 1 battery not over 75 lb. in 5 sided slip cover or fiberboard box meeting ICC requirements; 1 to 4 batteries not over 15 lb. each may be packed in a strong outside nonspecification fiberboard or wooden box, when securely cushioned and packed to prevent short circuits not over 65 lb. gr. wt.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Benzoyl chloride	<i>A clear, colorless liquid which even at ordinary temperatures gives off a vapor very irritating to the eyes, nose, and throat. Decomposes on contact with water liberating fumes which are irritating to the mucous membrane and in sufficient quantities will be suffocating. Keep dry.</i>	White	Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, boxed; glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed; glass (ICC-1D) not over 6½ gal. cap. Carboys in kegs; glass, earthenware, clay or stone (ICC-1O) not over 13 gal. cap. Carboys in plywood drums; glass (ICC-1E) not over 7 gal. cap. Carboys, boxed; glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Steel barrels or drums (ICC-5A, 5B) not over 110 gal. cap. (ICC-17C) STC, not over 55 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. Portable tanks (ICC-60) not over 8,000 lb. gr. wt. Tank cars complying with ICC regulations. Unstabilized benzoyl chloride when anhydrous and free from impurities such as iron may be shipped in: Nickel drums (ICC-5K) not over 55 gal. cap.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted	Not permitted	Not permitted.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Benzyl chloride.....	<i>A colorless liquid possessing a rather unpleasant odor and vapors which are very irritating to the eyes, nose, and throat. Combustible. Flash point 140° F. Immiscible with water.</i>	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, boxed; glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed; glass (ICC-1D) not over 8 3/4 gal. cap. Carboys in kegs; glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys in plywood drums, glass (ICC-1E) not over 7 gal. cap. Carboys, boxed; glass, earthenware, clay or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Steel barrels or drums (ICC-5A) not over 110 gal. cap. (ICC-17C) STC, not over 55 gal. cap. Benzyl chloride must be stabilized when packed in unlined containers. Steel drums, lead-lined (ICC-5H) not over 55 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. Portable tanks (ICC-60) not over 8,000 lb. gr. wt. Tank cars complying with ICC regulations. Benzyl chloride must be stabilized when loaded in unlined tanks. Unstabilized benzyl chloride when anhydrous and free from impurities such as iron may be shipped in: Nickel drums (ICC-5K) not over 55 gal. cap.
Benzyl chloroformate..... Benzyl chlorocarbonate.....	<i>A clear, transparent liquid having a sharp penetrating odor. It is both toxic and combustible. Will react with water to form hydrochloric acid. In event of leakage use soda ash, lime, or flush with large quantities of water.</i>	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, boxed; glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Wooden boxes (ICC-15A, 15B, 15C) WIC, not over 200 lb. gr. wt.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Boiler compound, liquid.	Usually clear, colorless, odorless liquid. Generally contains caustic alkali in varying proportions. May be corrosive to wool textiles and some metals. May cause painful burns to the skin and tissue. Miscible with water.	White	Stowage: "On deck in open." "On deck under cover." "Tween decks." "Under deck." Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums: (ICC-5, 5A) or not over 110 gal. cap. (ICC-5C) not over 110 gal. cap. (ICC-17E, 17H) STC, not over 55 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 28L, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Portable tanks: (ICC-60) not over 8,000 lb. gr. wt. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Tank cars complying with ICC regulations.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck in open." "On deck under cover." Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums: (ICC-5, 5A) not over 110 gal. cap. (ICC-5C) not over 110 gal. cap. (ICC-17E, 17H) STC, not over 55 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 28L, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Portable tanks: (ICC-60) not over 8,000 lb. gr. wt. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	Ferry stowage (AA): Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums: (ICC-5, 5A) not over 110 gal. cap. (ICC-5C) not over 110 gal. cap. (ICC-17E, 17H) STC, not over 55 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 28L, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Portable tanks: (ICC-60) not over 8,000 lb. gr. wt. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	Ferry stowage (BB): Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums: (ICC-5, 5A) not over 110 gal. cap. (ICC-5C) not over 110 gal. cap. (ICC-17E, 17H) STC, not over 55 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 28L, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Portable tanks: (ICC-60) not over 8,000 lb. gr. wt. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Tank cars complying with ICC regulations.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Boron trichloride	<i>A colorless fuming liquid. Decomposes in contact with water evolving hydrochloric acid fumes which are irritating to mucous membranes and in sufficient quantity are suffocating. Boiling point 58° F.</i>	White	Stowage: "On deck protected." "On deck under cover." Outside containers: Cylinders as prescribed for any compressed gas except acetylene. Tank cars complying with ICC regulations.
Bromine	<i>A heavy, reddish brown liquid. At ordinary temperatures it gives off toxic, suffocating vapors of the same color as the liquid. It causes heat when in contact with organic matter and may cause fire. Caustic to the skin, inflicting deep painful burns. Fumes or vapors even in low concentration have a strong corrosive effect on mucous membranes and inflame the eyes. Slightly soluble in water. Boiling point 137° F. Do not stow with combustible materials. Protect from direct rays of the sun. Keep cool.</i>	White	Stowage: "On deck in open." "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums, lead-lined (ICC-5H) not over 10 gal. cap. Wooden boxes (ICC-15A, 15B) WIC, not over 15 qts. in any one outside box. Tank cars complying with ICC regulations. Bromine which has been dried in accordance with good commercial practice may also be shipped in: Nickel drums (ICC-5K) not over 10 gal. cap. and not over 225 lb. net wt. Monel drums (ICC-5M) not over 10 gal. cap. and not over 225 lb. net wt. Fiberboard boxes (ICC-12A) with not more than six inside glass containers of not over 1 qt. cap. ea.
Bromine pentafluoride	<i>A colorless, heavy liquid or white crystalline solid. Boiling point about 100° F. Is extremely reactive and may cause fires if in contact with combustible material.</i>	White	Stowage: "On deck protected." "On deck under cover." Outside containers: Cylinders (ICC-3A150, 3AA150, 3B240, 4B240, 4BA240, 3E1800) 3E1800 cylinders must be packed in strong wooden boxes.
Bromine trifluoride	<i>A clear, colorless liquid. Will promote combustion of organic materials. Reacts violently with water to form corrosive and toxic products.</i>	White	Stowage: "On deck protected." "On deck under cover." Outside containers: Cylinders (ICC-3A150, 3AA150, 3B240, 4B240, 4BA240, 3E1800) 3E1800 must be packed in strong wooden boxes.
Bromotoluene, <i>m</i> - Benzyl bromide	<i>A clear, colorless liquid with a tear gas odor. Irritating to the eyes. Is soluble in water.</i>	White	Stowage: "On deck protected." "On deck under cover." Outside containers: Nickel drum (ICC-5K), not over 55 gal. cap. Monel drum (ICC-5M), not over 10 gal. cap. Wooden boxes (ICC-15A, 15B, 15C) WIC, not over 200 lb. gr. wt.
Butyl trichlorosilane	<i>A water-white liquid with a pungent, irritating odor. Somewhat combustible. Fumes readily in moist air to evolve irritating and corrosive vapors. Avoid prolonged breathing of fumes. In event of spillage, flush with large quantities of water.</i>	White	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums: (ICC-6, 5A, 5B, 5C) not over 55 gal. cap. (ICC-5F) not over 11 gal. cap. (ICC-17E) STC, not over 55 gal. cap. (ICC-17H, 37A) STC, WIC, not over 35 gal. cap. Wooden boxes (ICC-15A, 15B) WIC, not over 200 lb. gr. wt. Cylinders as prescribed for any compressed gas except acetylene. Tank cars complying with ICC regulations.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted	Not permitted	Not permitted.
Not permitted	Not permitted	Not permitted.
Not permitted	Not permitted	Not permitted.
Not permitted	Not permitted	Not permitted.
Not permitted	Not permitted	Not permitted.
Not permitted	Not permitted	Not permitted.
Not permitted	Not permitted	Not permitted.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Caustic potash, liquid. Potassium hydroxide solution. Caustic soda, liquid. Sodium hydroxide solution	<i>Odorless, corrosive liquids.</i> <i>Will attack flesh and destroy organic material.</i> Stow well away from other corrosive liquids (white label). Do not stow over cargo of an organic nature.	White	Stowage: "On deck in open." "On deck under cover." "Tween decks." "Under deck." Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys, in plywood drums glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums: (ICC-37P) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Portable tanks (ICC-60) not over 8,000 lb. gr. wt. marked "For Caustic Soda, Liquid, Only" or "For Caustic Potash, Liquid, Only." Tank cars complying with ICC regulations. In tank barges, see section covering barges in these regulations.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck in open." "On deck under cover." Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums: (ICC-37P) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Portable tanks (ICC-60) not over 8,000 lb. gr. wt. marked "For Caustic Soda, Liquid, Only" or "For Caustic Potash, Liquid, Only." Motor vehicle tank trucks complying with ICC regulations.	Ferry stowage (AA)..... Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums: (ICC-37P) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Portable tanks (ICC-60) not over 8,000 lb. gr. wt. marked "For Caustic Soda, Liquid, Only" or "For Caustic Potash, Liquid, Only." Motor vehicle tank trucks complying with ICC regulations.	Ferry stowage (BB)..... Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Metal drums: (ICC-37P) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Portable tanks (ICC-60) not over 8,000 lb. gr. wt. marked "For Caustic Soda, Liquid, Only" or "For Caustic Potash, Liquid, Only." Tank cars complying with ICC regulations. Motor vehicle tank trucks complying with ICC regulations.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Chemical kits (containing acids in inside container not exceeding 6 fluid ounces each). Must not contain any of the items named in § 146.23-30 (c). Chemical kits containing larger amounts of acids must be packed, marked and labeled as prescribed by these regulations for these specific acids or corrosive liquids contained therein.	Chemical kits containing small amounts of acid used for experimental or pleasure purposes. The contents of the kit must be of such nature and/or so packed that there will be no possibility of the mixture of contents causing dangerous evolution of heat or gas.	No label required.	Stowage: "On deck protected." "On deck under cover." "Tween decks." "Under deck away from heat." Outside containers: Strong wooden or metal container, or packed in a strong wooden or metal container. Chemical kits containing acids or corrosive liquids and other materials not classed as dangerous articles used for photographic processing must be packed in: Fiberboard boxes (ICC-12A) WIC, not over 65 lb. gr. wt.
Chloroacetyl chloride	A colorless, corrosive liquid having a very pungent odor. Decomposes in water, evolving hydrochloric acid fumes, which are irritating to mucous membranes and in sufficient quantities will be suffocating. Keep dry	White	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums, lead-lined (ICC-5H) not over 110 gal. cap. Wooden boxes (ICC-15A, 15B) WIC, not over 200 lb. gr. wt. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Nickel drums: (ICC-5K) not over 110 gal. cap. Tank cars complying with ICC regulations.
Chlorine trifluoride	A colorless gas which liquefies into a green liquid. Reacts violently with water to develop corrosive products. May cause ignition of readily combustible organic materials on contact.	White	Stowage: "On deck protected." "On deck under cover." Outside containers: Cylinders (3A 150, 3A A 150, 3E 1800, 3B 240, 4B 240, 4B A 240) 3E 1800 cylinders must be packed in strong wooden boxes. Tank cars complying with ICC regulations.
Chlorosulfonic acid. Chlorosulfonic acid sulfur trioxide, mixture.	A colorless or slightly yellow liquid. Fumes in air giving off dense vapor clouds. In contact with water reacts violently, forming steam and giving off fumes of hydrochloric acid gas, which are irritating in contact with mucous membrane and in sufficient quantities will be suffocating. Very caustic to the skin. Keep dry.	White	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums (ICC-5A, 5C) not over 110 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. Motor vehicle tank trucks complying with ICC regulations (trailerships and trainships only). Tank cars complying with ICC regulations (trainships only).

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Strong wooden or metal container, or packed in a strong wooden or metal container. Chemical kits containing acids or corrosive liquids and other materials not classed as dangerous articles used for photographic processing must be packed in: Fiberboard boxes (ICC-12A) WIC, not over 65 lb. gr. wt.	Ferry stowage (AA). Outside containers: Strong wooden or metal container, or packed in a strong wooden or metal container. Chemical kits containing acids or corrosive liquids and other materials not classed as dangerous articles used for photographic processing must be packed in: Fiberboard boxes (ICC-12A) WIC, not over 65 lb. gr. wt.	Ferry stowage (BB). Outside containers: Strong wooden or metal container, or packed in a strong wooden or metal container. Chemical kits containing acids or corrosive liquids and other materials not classed as dangerous articles used for photographic processing must be packed in: Fiberboard boxes (ICC-12A) WIC, not over 65 lb. gr. wt.
Not permitted	Not permitted	Not permitted.
Not permitted	Not permitted	Not permitted.
Not permitted	Not permitted	Not permitted.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Chromic acid solution....	<i>A solution of chromic acid. Has a strong caustic effect upon the skin.</i> Observe containers carefully for signs of leakage and reject any which are found leaking. Do not stow with other acids (white label), inflammable liquids (red label), glycerin or any combustible material. Observe special requirements for stowage on board vessels also transporting explosives.	White.....	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible" Outside containers Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay, or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums: (ICC-5A) not over 110 gal. cap. (ICC-5C) not over 110 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-13P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.

Corrosive Liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay, or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums: (ICC-5A) not over 110 gal. cap. (ICC-5C) not over 110 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-13P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	Ferry stowage (AA)..... Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay, or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums: (ICC-5A) not over 110 gal. cap. (ICC-5C) not over 110 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-13P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	Ferry stowage (BB). Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay, or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums: (ICC-5A) not over 110 gal. cap. (ICC-5C) not over 110 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Cylindrical steel over pack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-13P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Chromyl chloride.....	<i>Mobile, dark red liquid. Fumes in air. Hydrolyzes in water to chromic and hydrochloric acids.</i>	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, glass, in boxes, kegs, plywood drums: (ICC-1A, 1C, 1D, 1E) not over 13 gal. cap. For export only: (ICC-1X) STC, not over 6 gal. cap. Metal barrels or drums: (ICC-5A, 5B) not over 110 gal. cap. (ICC-5C) not over 30 gal. cap. (ICC-17C) STC, not over 55 gal. cap. (ICC-42D) not over 30 gal. cap. Wooden barrels or kegs (ICC-11A, 11B) WIC, not over 200 lb. gr. wt. Wooden boxes (ICC-15A, 15B, 15C, 15A, 19A) WIC, not over 200 lb. gr. wt. Portable tanks (ICC-60) not over 8000 lb. gr. wt. Tank cars complying with ICC regulations.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Compounds, cleaning liquid. Compounds, iron or steel rust preventing or removing. Compounds, lacquer, paint or varnish removing liquid. Compounds, vulcanizing, liquid.	<i>Any compounds under these descriptive names that classify in accordance with the definitions given in these regulations as a corrosive liquid.</i>	White-----	Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay, or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal barrels or drums: (ICC-17H, 37A, 37B) STC, lined, not over 5 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal barrels or drums: (ICC-17H, 37A, 37B) STC, lined, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 2SL, not over 55 gal. cap. Rubber drum (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Cylindrical steel overpack (ICC-6D) WIC (ICC-2U, not over 15 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 55 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-16P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2C, not over 15 gal. cap.

Corrosive liquids—Continued

Required conditions for transportation—Continued			
Passenger vessel	Ferry vessel, passenger or vehicle	R.R. car ferry, passenger or vehicle	
Stowage: "On deck protected." "On deck under cover." "Tween decks readily accessible." Outside containers: Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal barrels or drums: (ICC-17H, 37A, 37B) STC, lined, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 2SL, not over 55 gal. cap. Rubber drum (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 55 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-16P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	Ferry stowage (AA)----- Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay, or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal barrels or drums: (ICC-17H, 37A, 37B) STC, lined, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 55 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-16P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	Ferry stowage (BB). Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay, or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal barrels or drums: (ICC-17H, 37A, 37B) STC, lined, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-28 or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 55 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-16P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Compounds, cleaning, liquid (containing hydrofluoric acid). Must not contain more than 80% hydrofluoric acid.	Colorless water solutions of hydrofluoric acid in various concentrations. May also contain ammonium fluoride, etc. Extremely corrosive to glass, stoneware, and some metals. Miscible with water. Produces painful burns when allowed to contact flesh. Gives off fumes which are irritating and caustic.	White-----	Stowage: "On deck protected." "On deck under cover." Outside containers: Wooden boxes: WIC of natural rubber, ceresine, lead or other hydrofluoric acid-resistant material. (ICC-15A, 15B, 15C, 16A, 19A) not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. Fiberboard boxes: WIC of natural rubber, ceresine, lead, or other hydrofluoric acid-resistant material of equal strength (ICC-12B) not over 65 lb. gr. wt. (ICC-12B) WIC polyethylene 2U, not over 5 gal. cap. each. Plywood drums (ICC-22B) WIL, not over 200 lb. gr. wt. Fiber drum (ICC-21C) WIC (ICC-2U) not over 30 gal. cap.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted-----	Not permitted-----	Not permitted.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Corrosive liquid, N. O. B.	<i>Any liquid not otherwise specified by name in this chart which qualifies as a corrosive liquid according to the definition contained in these regulations.</i>	White-----	Stowage: "On deck protected." "On deck under cover." Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay, or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal barrels or drums: (ICC-17H, 37A, 37B) STC, lined, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. (See Note in columns 5, 6, and 7.)

Corrosive liquids—Continued

Required conditions for transportation—Continued

Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted-----	Ferry stowage (AA). Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal barrels or drums: (ICC-17H, 37A, 37B) STC, lined, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	Ferry stowage (BB). Outside containers: Carboys, boxed, glass, earthenware, clay, or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay, or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass, (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 6 gal. cap. Carboys, lead, metal-jacketed (ICC-28) not over 15 gal. cap. Steel barrels or drums (ICC-5A) not over 110 gal. cap. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Metal barrels or drums: (ICC-17H, 37A, 37B) STC, lined, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.

Note: Specification containers shall be of a design and constructed of materials that will not react dangerously with nor be decomposed by the chemical packed therein.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Cupriethylene-diamine solution.	<i>A dark purple liquid with odor resembling ammonia. Dissolves cellulose products such as cotton, wood, etc. Not very corrosive to most metals. In event of leakage drench with water.</i>	White.....	Stowage: "On deck protected." "On deck in open." "On deck under cover." Outside containers: Carboys, boxed, glass, earthenware, clay or stone (ICC-1A) not over 13 gal. cap. Carboys, boxed, lead (ICC-1B) not over 13 gal. cap. Carboys in kegs, glass, earthenware, clay or stone (ICC-1C) not over 13 gal. cap. Carboys, boxed, glass (ICC-1D) not over 6½ gal. cap. Carboys in plywood drums, glass (ICC-1E) not over 7 gal. cap. Carboys, boxed, glass, earthenware, clay, or stone (ICC-1X) STC, for export only, not over 5 gal. cap. Carboys, lead, metal-jacketed (ICC-2A) not over 15 gal. cap. Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap., and not over 1,700 lb. gr. wt. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, lead-lined (ICC-5H) not over 110 gal. cap. Metal drums: (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Portable tanks: (ICC-60) not over 8,000 lb. gr. wt. Tank cars complying with ICC regulations.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Stowage: "On deck protected." "On deck in open." "On deck under cover." Outside containers: Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap., and not over 1,700 lb. gr. wt. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5H) not over 110 gal. cap. Metal drums: (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	Ferry stowage (AA).----- Outside containers: Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap., and not over 1,700 lb. gr. wt. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5H) not over 110 gal. cap. Metal drums: (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap.	Ferry stowage (BB).----- Outside containers: Steel barrels or drums (ICC-5, 5A) not over 110 gal. cap., and not over 1,700 lb. gr. wt. Steel barrels or drums (ICC-5C) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5D) not over 110 gal. cap. Metal drums, rubber-lined (ICC-5H) not over 110 gal. cap. Metal drums: (ICC-17C, 17E, 17F) STC, not over 55 gal. cap. (ICC-17H, 37A, 37B) STC, not over 5 gal. cap. (ICC-37P) NRC, not over 5 gal. cap. Monel drums (ICC-5M) not over 55 gal. cap. Cylindrical steel overpack: (ICC-6D, 37M (NRC)), WIC ICC-2S or 2SL, not over 55 gal. cap. Rubber drums (ICC-43A) not over 30 gal. cap. Wooden barrels or kegs: (ICC-10A) asphalt, paraffin, or wax lined not over 50 gal. cap. (ICC-11A, 11B) WIC, not over 200 lb. net wt. Wooden boxes: (ICC-15A, 15B, 15C, 16A, 19A) WIC, not over 200 lb. gr. wt. (ICC-16A) WIC polyethylene 2U, not over 200 lb. gr. wt. (ICC-16D) WIC (ICC-2T, 2TL, 2S, 2SL) not over 15 gal. cap. Fiberboard boxes: (ICC-12A, 12B), WIC, not over 65 lb. gr. wt. (ICC-12P) WIC (ICC-2U polyethylene) not over 5 gal. cap. ea. Plywood or wooden box or drum (ICC-15P, 22C) WIC (ICC-2T) not over 15 gal. cap. Fiber drum (ICC-21C) WIC (ICC-2S, 2SL, 2U) not over 30 gal. cap. Portable tanks: (ICC-60) not over 8,000 lb. gr. wt. Tank cars complying with ICC regulations.

Table F—Classification:

Descriptive name of article	Characteristic properties, cautions, markings required	Label required	Required conditions for transportation
			Cargo vessel
Cyclohexenyl trichlorosilane.	A water white liquid with a pungent irritating odor. Fumes readily in moist air to evolve irritating and corrosive vapors. Avoid prolonged breathing of fumes. In event of spillage, flush with large quantities of water.	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums: (ICC-5, 5A, 5B, 5C) not over 55 gal. cap. (ICC-5F) not over 11 gal. cap. (ICC-17E) STC not over 55 gal. cap. (ICC-17H, 37A) STC, WIC, not over 55 gal. cap. Wooden boxes: (ICC-15A, 16B) WIC, not over 200 lb. gr. wt. Cylinders as prescribed for any compressed gas except acetylene. Tank cars complying with ICC regulations.
Cyclohexenyl trichlorosilane.	A water-white liquid with a pungent irritating odor. Somewhat combustible. Fumes readily in moist air to evolve corrosive and irritating vapors. In event of spillage, flush with large quantities of water.	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums: (ICC-5, 5A, 5B, 5C) not over 55 gal. cap. (ICC-5F) not over 11 gal. cap. (ICC-17E) STC, not over 55 gal. cap. (ICC-17H, 37A), STC, WIC, not over 55 gal. cap. Wooden boxes (ICC-15A, 16B), WIC, not over 200 lb. gr. wt. Cylinders as prescribed for any gas except acetylene. Tank cars complying with ICC regulations.
Diethyl dichlorosilane...	Colorless liquid that fumes strongly in moist air to develop extremely corrosive products. Fumes are so intense in air that leaky containers may create an appearance of fire. Liquid may be combustible. Avoid breathing fumes which are irritating and dangerous. In event of leakage remove container and flush with large quantities of water.	White.....	Stowage: "On deck protected." "On deck under cover." Outside containers: Steel barrels or drums: (ICC-5, 5A, 5B, 5C) not over 55 gal. cap. (ICC-5F) not over 11 gal. cap. (ICC-17E) STC, not over 55 gal. cap. (ICC-17H, 37A), STC, WIC, not over 55 gal. cap. Wooden boxes (ICC-15A, 16B) WIC, not over 200 lb. gr. wt. Cylinders as prescribed for any compressed gas except acetylene. Tank cars complying with ICC regulations.

Corrosive liquids—Continued

Required conditions for transportation—Continued		
Passenger vessel	Ferry vessel, passenger or vehicle	R. R. car ferry, passenger or vehicle
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.
Not permitted.....	Not permitted.....	Not permitted.