



United States of America  
Department of Homeland Security  
United States Coast Guard

Certification Date 01 Oct 2026  
Expiration Date 01 Oct 2031

# Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation VII-1, for a SAFE MANNING DOCUMENT.

Vessel Name: CBC 23  
Official Number: 1062525  
IMO Number:  
Call Sign:  
Service: Tank Barge

Hailing Port: NEW ORLEANS, LA  
Hull Material: Steel  
Horsepower:  
Propulsion:  
UNITED STATES

Place Built: JEFFERSONVILLE, IN  
Delivery Date: 22Jul1998  
Keel Laid Date: 08May1998  
Gross Tons: R-716  
Net Tons: R-716  
DWT:  
Length: R-195.0  
UNITED STATES  
10

Owner:  
CANAL BARGE COMPANY INC  
835 UNION STREET  
NEW ORLEANS, LA 70112  
UNITED STATES

Operator:  
CANAL BARGE COMPANY INC  
835 UNION STREET  
NEW ORLEANS, LA 70112  
UNITED STATES

This vessel must be manned with the following licensed and unlicensed Personnel. Included in which there must be 0 Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators

|                            |                      |                              |          |
|----------------------------|----------------------|------------------------------|----------|
| 0 Masters                  | 0 Licensed Mates     | 0 Chief Engineers            | 0 Oilers |
| 0 Chief Mates              | 0 First Class Pilots | 0 First Assistant Engineers  |          |
| 0 Second Mates             | 0 Radio Officers     | 0 Second Assistant Engineers |          |
| 0 Third Mates              | 0 Able Seamen        | 0 Third Assistant Engineers  |          |
| 0 Master First Class Pilot | 0 Ordinary Seamen    | 0 Licensed Engineers         |          |
| 0 Mate First Class Pilots  | 0 Deckhands          | 0 Qualified Member Engineer  |          |

In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Total Persons allowed: 0

Route Permitted And Conditions Of Operation:

---Lakes, Bays, and Sounds---

This vessel has been granted a fresh water service examination interval per 46 CFR 31.10-21(b). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a) and the cognizant OCMI notified in writing as soon as this change in status occurs.

This tank barge is participating in the Heartland and Great Lakes District's Tank Barge Streamlined Inspection Program (TBSIP). Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to, Sector New Orleans.

\*\*\*SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION\*\*\*

With this Inspection for Certification having been completed at Harvey, LA, UNITED STATES, the Officer in Charge, Marine Inspection, Sector New Orleans certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

| Annual/Periodic/Re-Inspection |      |       |           |
|-------------------------------|------|-------|-----------|
| Date                          | Zone | A/P/R | Signature |
|                               |      |       |           |
|                               |      |       |           |
|                               |      |       |           |
|                               |      |       |           |

This certificate is issued by  
S. M. ARBITER, COMMANDER, By direction  
Officer in Charge, Marine Inspection:  
Sector New Orleans  
Inspection Zone:



United States of America  
Department of Homeland Security  
United States Coast Guard

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# Certificate of Inspection

Vessel Name: DBC 23

## ---Hull Exams---

| Exam Type          | Next Exam | Last Exam | Prior Exam |
|--------------------|-----------|-----------|------------|
| Dry Dock           | 30Sep2036 | 21Sep2026 | 04Aug2016  |
| Internal Structure | 30Sep2031 | 21Sep2026 | 14Sep2021  |

## --- Liquid/Gas/Solid Cargo Authority/Conditions ---

Authorization FLAMMABLE, COMBUSTIBLE AND SPECIFIED HAZARDOUS CARGOES

| Total Capacity | Units   | Highest Grade Type | Part151 Regulated | Part153 Regulated | Part154 Regulated |
|----------------|---------|--------------------|-------------------|-------------------|-------------------|
| 10667          | Barrels | A                  | Yes               | No                | No                |

### \*Hazardous Bulk Solids Authority\*

Not Authorized

### \*Loading Constraints - Structural\*

| Tank Location Description | Max Cargo Weight per Tank (short tons) | Maximum Density (lbs/gal) |
|---------------------------|----------------------------------------|---------------------------|
| 1                         | 595                                    | 13.600                    |
| 2 AND 3                   | 607                                    | 13.600                    |

### \*Loading Constraints - Stability\*

| Hull Type | Maximum Load (short tons) | Maximum Draft (ft/in) | Max Density (lbs/gal) | Route Description              |
|-----------|---------------------------|-----------------------|-----------------------|--------------------------------|
| II        | 1495                      | 9ft 3in               | 13.60                 | RIVERS, LAKES, BAYS AND SOUNDS |
| III       | 1723                      | 10ft 4in              | 13.60                 | RIVERS, LAKES, BAYS AND SOUNDS |
| II        | 1495                      | 9ft 3in               | 13.60                 | RIVERS                         |
| III       | 1723                      | 10ft 4in              | 13.60                 | RIVERS                         |

### \*Conditions Of Carriage\*

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN98000345, dated 07Jul00, and Grade "A" may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

### \*Vapor Control Authorization\*

Per 46 CFR 39, excluding Part 39.40, this vessel's vapor control system (VCS) has been inspected to the plans approved by Marine Safety Center letter serial #VNC2-9703100 dated 23Sep97, and found acceptable for collection of bulk liquid cargo vapors from those specific Subchapter "D" cargoes contained in the that letter, and those specified hazardous cargoes annotated a "V" or "T" in the CAA.

The letter "V" in the note column of the CAA signifies approval for vapor control without any additional requirements.

The letter "T" in the note column of the CAA signifies that the cargo is highly toxic and that spill valves or rupture disks are not authorized as the primary means of overfill protection required by 46 CFR 39.20-9. A high level and overfill alarm is required by 46 CFR 39.20-7.

### \*Stability and Trim\*

Per 46 CFR 151.10(c)(2), the maximum tank weights listed above reflect uniform (within 5%) loading at the deepest draft allowed. When carrying subchapter "O" cargoes at shallower drafts, the barge should always be loaded uniformly.

## --- Inspection Status ---



United States of America  
Department of Homeland Security  
United States Coast Guard

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# Certificate of Inspection

Vessel Name: CSC 23

## \*Cargo Tanks\*

| Tank Id | Internal Exam |           |            | External Exam |      |      |
|---------|---------------|-----------|------------|---------------|------|------|
|         | Previous      | Last      | Next       | Previous      | Last | Next |
| 1       | 04Aug2016     | 14Sep2026 | 14Sep2036  | -             | -    | -    |
| 2 AND 3 | 04Aug2016     | 14Sep2026 | 14Sep2036  | -             | -    | -    |
| Tank Id | Safety Valves |           | Hydro Test |               |      |      |
|         | Previous      | Last      | Next       |               |      |      |
| 1       | -             | -         | -          |               |      |      |
| 2 AND 3 | -             | -         | -          |               |      |      |

## ---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

## --- Fire Fighting Equipment ---

### \*Fire Extinguishers - Hand portable and semi-portable\*

| Quantity | Class Type |
|----------|------------|
| 2        | 40-B       |

\*\*\*END\*\*\*



Department of Homeland Security  
United States Coast Guard

Serial #: VN98000345  
COI Ref: 07-Jul-00

# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 10380  
Official #: D1062525

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Shipyard: JEFFBOAT  
Hull #: 97-2147

### List of Authorized Cargoes

| Cargo Identification                                                             |           |          |     |       |           | Conditions of Carriage |                                                                       |
|----------------------------------------------------------------------------------|-----------|----------|-----|-------|-----------|------------------------|-----------------------------------------------------------------------|
| Name                                                                             | Chem Code | Compat   |     | Grade | Hull Type | Note                   | Special Requirements in 46 CFR 151 General and Mat'ls of Construction |
|                                                                                  |           | Group No | Exc |       |           |                        |                                                                       |
| Authorized Subchapter O Cargoes                                                  |           |          |     |       |           |                        |                                                                       |
| Ammonium bisulfite solution (70% or less)                                        | ABX       | 43       | Y   |       | III       |                        | 50-73, 56-1(a), (d), (e)                                              |
| Acrylonitrile                                                                    | ACN       | 15       | Y   | C     | II        | T                      | 50-70(a), 56-1(a)                                                     |
| Adiponitrile                                                                     | ADN       | 37       | N   | E     | II        | V                      | No                                                                    |
| Aminoethylphenolamine                                                            | AEE       | 8        | N   | E     | III       | V                      | 56-1(b)                                                               |
| Alkyl(C7-C9) nitrates                                                            | AKN       | 34       | Y   |       | III       |                        | 50-81, 50-86                                                          |
| Ammonium hydroxide (28% or less NH3)                                             | AMH       | 6        | N   |       | III       |                        | 56-1(a), (b), (c), (f), (g)                                           |
| Acetonitrile                                                                     | ATN       | 37       | N   | C     | III       | T                      | No                                                                    |
| Butyraldehyde (all isomers)                                                      | BAE       | 19       | N   | C     | III       | V                      | 55-1(h)                                                               |
| Butyl acrylate (all isomers)                                                     | BAR       | 14       | N   | D     | III       | V                      | 50-70(a), 50-81(a) (b)                                                |
| Benzene hydrocarbon mixtures (containing Acetylenes)(having 10% Benzene or more) | BHA       | 32       | Y   |       | III       | V                      | 50-60, 56-1(b), (d), (f), (g)                                         |
| Benzene hydrocarbon mixtures (having 10% Benzene or more)                        | BHB       | 32       | N   |       | III       | V                      | 50-60                                                                 |
| Butyl methacrylate                                                               | BMH       | 14       | N   | D     | III       | V                      | 50-70(a), 50-81(a), (b)                                               |
| Benzene                                                                          | BNZ       | 32       | N   | C     | III       | V                      | 50-60                                                                 |
| Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)                   | BTX       | 32       | N   | B/C   | III       | V                      | 50-60                                                                 |
| Carbon tetrachloride                                                             | CBT       | 36       | N   |       | III       |                        | No                                                                    |
| Cyclohexanone                                                                    | CCH       | 18       | N   | D     | III       | V                      | 56-1(a), (b)                                                          |
| Creosote (all isomers)                                                           | CCW       | 21       | Y   | E     | III       | V                      | No                                                                    |
| Cyclohexylamine                                                                  | CHA       | 7        | N   | D     | III       | V                      | 56-1(a), (b), (c), (f)                                                |
| Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein) | CHG       | 0        | N   | C     | III       |                        | No                                                                    |
| Camphor oil (light)                                                              | CPO       | 18       | N   | D     | II        |                        | No                                                                    |
| Chlorobenzene                                                                    | CRB       | 36       | N   | D     | III       | V                      | No                                                                    |
| Chloroform                                                                       | CRF       | 36       | N   | E     | III       |                        | No                                                                    |
| Cresols (all isomers)                                                            | CRS       | 21       | N   | E     | III       | V                      | No                                                                    |
| Cyclopentadiene, Styrene, Benzene mixture                                        | CSB       | 30       | N   | D     | III       | V                      | 50-60, 50-1(b)                                                        |
| Cresylate spent caustic                                                          | CSC       | 5        | N   |       | III       |                        | 50-73, 55-1(b)                                                        |
| Crotonaldehyde                                                                   | CTA       | 19       | Y   | C     | II        | T                      | 55-1(h)                                                               |
| N,N-Dimethylacetamide                                                            | DAC       | 10       | N   | E     | III       | T                      | 56-1(b)                                                               |
| Diisobutylamine                                                                  | DBU       | 7        | N   | D     | III       | T                      | 55-1(c)                                                               |
| Dichlorobenzenes (all isomers)                                                   | DBX       | 36       | N   | E     | III       | T                      | 56-1(a), (b)                                                          |
| 1,1-Dichloroethane                                                               | DCH       | 36       | N   | C     | III       | V                      | No                                                                    |
| Dichloromethane                                                                  | DCM       | 36       | N   | NF    | III       |                        | No                                                                    |
| 2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution                     | DDE       | 43       | N   |       | III       |                        | 56-1(a), (b), (c), (g)                                                |
| Diethanolamine                                                                   | DEA       | 8        | N   | E     | III       | V                      | 55-1(c)                                                               |
| 2,2'-Dichloroethyl ether                                                         | DEE       | 41       | N   | D     | II        | V                      | 55-1(f)                                                               |
| Diethylamine                                                                     | DEN       | 7        | N   | C     | III       | T                      | 56-1(c)                                                               |
| Diethylenetriamine                                                               | DET       | 7        | Y   | E     | II        | V                      | 55-1(c)                                                               |
| Diisopropylamine                                                                 | DIA       | 7        | N   | C     | II        | T                      | 55-1(c)                                                               |
| Diisopropanolamine                                                               | DIP       | 8        | N   | E     | III       | V                      | 55-1(c)                                                               |
| Dimethylethanolamine                                                             | DME       | 8        | N   | D     | III       | V                      | 56-1(b), (c)                                                          |
| Dimethylformamide                                                                | DMF       | 10       | N   | D     | III       | V                      | 55-1(a)                                                               |
| Dichloropropene, Dichloropropane mixtures                                        | DMX       | 15       | N   |       | II        | V                      | No                                                                    |
| Di-n-propylamine                                                                 | DNA       | 7        | N   | C     | II        | T                      | 55-1(c)                                                               |
| Dodecyl dimethylamine, Tetradecyl dimethylamine mixture                          | DOT       | 7        | N   | E     | III       |                        | 50-1(b)                                                               |
| 1,1-Dichloropropane                                                              | DPB       | 36       | N   | C     | III       | T                      | No                                                                    |
| 1,3-Dichloropropane                                                              | DPC       | 36       | N   | C     | III       | T                      | No                                                                    |
| 1,2-Dichloropropane                                                              | DPP       | 36       | N   | C     | III       | T                      | No                                                                    |
| 1,3-Dichloropropane                                                              | DPU       | 15       | N   | D     | II        | T                      | No                                                                    |
| 2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution                | DTI       | 43       | Y   |       | III       |                        | 56-1(a), (b), (c), (g)                                                |
| Ethyl acrylate                                                                   | EAC       | 14       | N   | C     | III       | V                      | 50-70(a), 50-81(a), (b)                                               |

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Department of Homeland Security  
United States Coast Guard

Serial #: VN9800345  
COI Ref: 07-JUL-00

# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 10380

Official #: D1062525

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Shipyard: JEFFBOAT

Hull #: 97-2147

| Cargo Identification                                                                  |           |          |     |       |           |      | Conditions of Carriage                                                |  |
|---------------------------------------------------------------------------------------|-----------|----------|-----|-------|-----------|------|-----------------------------------------------------------------------|--|
| Name                                                                                  | Chem Code | Compat   |     | Grade | Hull Type | Note | Special Requirements in 46 CFR 151 General and Mat'ls of Construction |  |
|                                                                                       |           | Group No | Exc |       |           |      |                                                                       |  |
| 2-Ethylhexyl acrylate                                                                 | EAI       | 14       | N   | E     | III       | V    | 50-70(a), 50-81(a), (b)                                               |  |
| Ethylamine solution (72% or less)                                                     | EAN       | 7        | N   | A     | II        | T    | 55-1(b)                                                               |  |
| N-Ethylbutylamine                                                                     | EBA       | 7        | N   | C     | III       | T    | 55-1(b)                                                               |  |
| N-Ethylcyclohexylamine                                                                | ECC       | 7        | N   | D     | III       | V    | 55-1(b)                                                               |  |
| Ethylenediamine                                                                       | EDA       | 7        | Y   | D     | III       | V    | 55-1(c)                                                               |  |
| Ethylene dichloride                                                                   | EDC       | 36       | Y   | C     | III       | V    | No                                                                    |  |
| Ethylene glycol monoalkyl ethers                                                      | EGC       | 40       | N   | D/E   | III       | V    | No                                                                    |  |
| Ethylene glycol hexyl ether                                                           | EGH       | 40       | N   | E     | III       | V    | No                                                                    |  |
| Ethylene glycol propyl ether                                                          | EGP       | 40       | N   | E     | III       | V    | No                                                                    |  |
| 2-Ethyl-3-propylacrolein                                                              | EPA       | 19       | Y   | E     | III       | V    | No                                                                    |  |
| Ethylene cyanohydrin                                                                  | ETC       | 20       | N   | E     | III       | V    | No                                                                    |  |
| Ethyl methacrylate                                                                    | ETM       | 14       | N   | C     | III       | V    | 50-70(a)                                                              |  |
| Furfural                                                                              | FFA       | 19       | N   | E     | III       | V    | 55-1(h)                                                               |  |
| Formaldehyde solution (37% to 50%)                                                    | FMS       | 19       | Y   | D/E   | III       | V    | 55-1(h)                                                               |  |
| Glutaraldehyde solution (50% or less)                                                 | GTA       | 19       | N   | NF    | III       |      | No                                                                    |  |
| Hydrocarbon 5-9                                                                       | HFN       | 30       | N   | A     | III       | V    | 50-70(a), 50-81(a), (b)                                               |  |
| Hexamethylenediamine solution                                                         | HMC       | 7        | N   | E     | III       | V    | 55-1(c)                                                               |  |
| Hexamethylenimine                                                                     | HMI       | 7        | N   | C     | II        | V    | 50-1(b), (d)                                                          |  |
| Isodecyl acrylate                                                                     | IAI       | 14       | N   | E     | III       |      | 50-70(a), 50-81(a), (b), 55-1(c)                                      |  |
| Isoprene, Pentadiene mixture                                                          | IPN       | 30       | N   | A     | III       |      | 50-70(a), 55-1(c)                                                     |  |
| iso-Propylamine                                                                       | IPP       | 7        | N   | A     | II        |      | 55-1(c)                                                               |  |
| Isoprene                                                                              | IPR       | 30       | N   | A     | III       |      | 50-70(a), 50-81(a), (b)                                               |  |
| Kraft pulping liquors (free alkali content 3% or more)                                | KPL       | 5        | N   |       | III       |      | 50-70, 50-1(a), (c) (g)                                               |  |
| Methyl acrylate                                                                       | MAM       | 14       | N   | C     | III       | V    | 50-70(a), 50-81(a), (b)                                               |  |
| Methylcyclopentadiene dimer                                                           | MCK       | 30       | N   | C     | III       | V    | No                                                                    |  |
| Methyl diethanolamine                                                                 | MDE       | 8        | N   | E     | III       | V    | 50-1(b), (c)                                                          |  |
| Ethanolamine                                                                          | MEA       | 8        | N   | E     | III       | V    | 55-1(c)                                                               |  |
| 2-Methyl-5-ethylpyridine                                                              | MEP       | 9        | N   | E     | III       | V    | 55-1(a)                                                               |  |
| Methyl methacrylate                                                                   | MMM       | 14       | N   | C     | III       | V    | 50-70(a), 50-81(a), (b)                                               |  |
| iso-Propanolamine                                                                     | MPA       | 8        | N   | E     | III       | V    | 55-1(c)                                                               |  |
| Morpholine                                                                            | MPL       | 7        | Y   | D     | III       | V    | 55-1(c)                                                               |  |
| 2-Methylpyridine                                                                      | MPR       | 9        | N   | D     | III       | T    | 55-1(a)                                                               |  |
| Mesityl oxide                                                                         | MSO       | 18       | Y   | D     | III       | V    | No                                                                    |  |
| alpha-Methylstyrene                                                                   | MSR       | 30       | N   | D     | III       | V    | 50-70(a), 50-81(a), (b)                                               |  |
| Coal tar naphtha solvent                                                              | NCT       | 33       | N   | D     | III       | V    | 50-70                                                                 |  |
| 1- or 2-Nitropropane                                                                  | NPM       | 42       | N   | D     | III       | V    | 50-81                                                                 |  |
| Propanolamine (iso-, n-)                                                              | PAX       | 8        | N   | E     | III       | V    | 50-1(b) (c)                                                           |  |
| 1,3-Pentadiene                                                                        | PDE       | 30       | N   | A     | III       | V    | 50-70(a), 50-81                                                       |  |
| Polyethylene polyamines                                                               | PEB       | 7        | Y   | E     | III       | V    | 55-1(a)                                                               |  |
| Perchloroethylene                                                                     | PER       | 36       | N   | NF    | III       |      | No                                                                    |  |
| Pyridine                                                                              | PRD       | 9        | N   | C     | III       | V    | 55-1(a)                                                               |  |
| Sodium chlorate solution (50% or less)                                                | SDD       | 0        | Y   | NF    | II        |      | 50-70                                                                 |  |
| Sodium hypochlorite solution (20% or less)                                            | SHQ       | 5        | N   | NF    | III       |      | 50-70, 50-1(a), (b)                                                   |  |
| Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)                            | SSH       | 0        | Y   |       | II        |      | 50-70, 55-1(b)                                                        |  |
| Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm) | SSI       | 0        | Y   |       | II        |      | 50-70, 55-1(b)                                                        |  |
| Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)                      | SSJ       | 0        | Y   |       | II        |      | 50-70, 55-1(b)                                                        |  |
| Styrene (crude)                                                                       | STX       | 30       | N   | C     | III       | V    | No                                                                    |  |
| Styrene monomer                                                                       | STY       | 30       | N   | D     | III       | V    | 50-70(a), 50-81(a), (b)                                               |  |
| 1,2,4-Trichlorobenzene                                                                | TCB       | 36       | N   | E     | III       | V    | No                                                                    |  |
| Trichloroethylene                                                                     | TCL       | 36       | Y   |       | III       | V    | No                                                                    |  |
| 1,1,2-Trichloroethane                                                                 | TCM       | 36       | N   |       | III       | V    | 50-70, 50-1(a)                                                        |  |

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Department of Homeland Security  
United States Coast Guard

Serial #: VN98000345  
COI Ref: 07-Jul-00

# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 10380

Official #: D1062525

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Shipyard: JEFFBOAT

Hull #: 97-2147

| Cargo Identification                                              |           |          |     |       |           | Conditions of Carriage |                                                                     |
|-------------------------------------------------------------------|-----------|----------|-----|-------|-----------|------------------------|---------------------------------------------------------------------|
| Name                                                              | Chem Code | Compat   |     | Grade | Hull Type | Note                   | Special Requirements in 46 CFR 151 General and Mats of Construction |
|                                                                   |           | Group No | Exc |       |           |                        |                                                                     |
| 1,2,3-Trichloropropane                                            | TCN       | 36       | N   | E     | II        | T                      | 50-73 50-1(a)                                                       |
| Triethanolamine                                                   | TEA       | 8        | Y   | E     | III       | V                      | 50-1(b)                                                             |
| 1,1,2,2-Tetrachloroethane                                         | TEC       | 36       | N   | NF    | III       |                        | 50-1(b)                                                             |
| Triethylamine                                                     | TEN       | 7        | N   | C     | II        | T                      | 50-1(a)                                                             |
| Triethylenetetramine                                              | TET       | 7        | Y   | E     | III       | V                      | 50-1(b)                                                             |
| Tetrahydrofuran                                                   | THF       | 41       | N   | C     | III       | V                      | 50-70(b)                                                            |
| Triphenylborane (10% or less), caustic soda solution              | TPB       | 5        | N   |       | III       |                        | 50-1(a), (b), (c)                                                   |
| Tetraethylenepentamine                                            | TTP       | 7        | N   | E     | III       | V                      | 50-1(c)                                                             |
| Urea, Ammonium nitrate solution (containing more than 2% ammonia) | UAS       | 6        | N   |       | III       |                        | 50-1(b)                                                             |
| Vinyl acetate                                                     | VAM       | 13       | N   | C     | III       | V                      | 50-70(a) 50-81(a), (b)                                              |
| Vanillin black liquor (free alkali content 3% or more)            | VLB       | 5        | N   |       | III       |                        | 50-73 50-114, (c), (g)                                              |
| Vinyltoluene                                                      | VNT       | 13       | N   | D     | III       | V                      | 50-70(a) 50-81 50-1(a), (b), (c), (g)                               |

### Explanation of terms & symbols used in the Table:

#### Cargo Identification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                    | The proper shipping name as listed in 46 CFR Table 151.05.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Chem Code               | The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Compatibility Group No. | The cargo reactive group number assigned or compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.                                                                                                                                                                                                                                                                                                                             |
| Exceptions (Exc)        | Indication of whether or not there are exceptions to the compatibility chart for the given cargo. See Appendix I to 46 CFR Part 150.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Grade                   | The cargo classification assigned to each flammable or combustible liquid. Grades inside of "[]" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.<br>Flammable liquid cargoes, as defined in 46 CFR 30-10.22.<br>Combustible liquid cargoes, as defined in 46 CFR 30-10.15.<br>Those subchapter O cargoes which are not classified as a flammable or combustible liquid.<br>No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available. |
| A, B, C                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| D, E                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NA, NF                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| #                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hull Type               | The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1.<br>I<br>Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1).<br>II<br>Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).<br>III<br>Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).                                                                                                                                                                           |

#### Conditions of Carriage

|      |                                                                               |
|------|-------------------------------------------------------------------------------|
| Note | See Certificate of Inspection for explanation of symbols used in this column. |
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\*\*\* This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection. \*\*\*