



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

Certification Date: 05 Jan 2023  
Expiration Date: 05 Jan 2028

# Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

|             |                 |            |           |            |
|-------------|-----------------|------------|-----------|------------|
| Vessel Name | Official Number | IMO Number | Call Sign | Service    |
| CBC 7028    | 1208077         |            |           | Tank Barge |

|                                      |               |            |            |
|--------------------------------------|---------------|------------|------------|
| Hailing Port                         | Hull Material | Horsepower | Propulsion |
| NEW ORLEANS, LA<br><br>UNITED STATES | Steel         |            |            |

|                                       |               |                |             |             |     |               |
|---------------------------------------|---------------|----------------|-------------|-------------|-----|---------------|
| Place Built                           | Delivery Date | Keel Laid Date | Gross Tons  | Net Tons    | DWT | Length        |
| ASHLAND CITY, TN<br><br>UNITED STATES | 14Sep1998     | 04Aug1998      | R-1619<br>- | R-1619<br>- |     | R-297.5<br>-0 |

|   |   |
|---|---|
| Owner   | Operator  |
| CANAL BARGE COMPANY INC<br>1801 ENGINEERS RD<br>BELLE CHASSE, LA 70037<br>UNITED STATES | CANAL BARGE COMPANY, INC.<br>1801 Engineers Road<br>Belle Chasse, LA 70037<br>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---**

Also, in fair weather only, coastwise, not more than twelve (12) miles offshore between St. Marks, Florida and Carrabelle, Florida.

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

This tank barge is participating in the Eighth and Ninth Coast Guard District's Tank Barge Streamlined

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

With this Inspection for Certification having been completed at HOUSTON, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Sector Houston-Galveston 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 |                  |       |                    | This certificate issued by: <i>J.W. Morgans</i><br>Joseph W. Morgans CDR, USCG, By Direction<br>Officer in Charge, Marine Inspection<br>Sector Houston-Galveston<br>Inspection Zone |
| Date                          | Zone             | A/P/R | Signature          |   |
| 3-21-2024                     | Canal Barge      | A     | Kendall White      |   |
| 5 Feb 2025                    | Canal Barge IBIP | P     | <i>[Signature]</i> |   |
| 12-23-2025                    | Canal Barge IBIP | A     | <i>[Signature]</i> |   |



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|-------------------------------|-------------|-------|--------------------|--|
| Date                          | Zone        | A/P/R | Signature          |  |
| 3-21-2024                     | Canal Barge | A     | Kendall White      |  |
| 5 Feb 2025                    | Canal Barge | P     | <i>[Signature]</i> |  |
|                               |             |       |                    |  |



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|                               |      |       |           |   |
|                               |      |       |           |   |
|                               |      |       |           |   |



# Certificate of Inspection

Vessel Name: CBC 7028

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 OCMI.

**---Hull Exams---**

| Exam Type          | Next Exam | Last Exam | Prior Exam |
|--------------------|-----------|-----------|------------|
| DryDock            | 31Aug2028 | 26Sep2018 | 20Aug2013  |
| Internal Structure | 30Sep2027 | 27Dec2022 | 26Sep2018  |

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

Authorization: GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES

| Total Capacity | Units   | Highest Grade Type | Part151 Regulated | Part153 Regulated | Part154 Regulated |
|----------------|---------|--------------------|-------------------|-------------------|-------------------|
| 30260          | Barrels | A                  | Yes               | No                | No                |

**\*Hazardous Bulk Solids Authority\***

**\*Loading Constraints - Structural\***

| Tank Location Description | Max Cargo Weight per Tank (short tons) | Maximum Density (lbs/gal) |
|---------------------------|--|---------------------------|
| #3 P&S WING TANKS         | 761                                    | 15.000                    |
| #1 P&S WING TANKS         | 841                                    | 15.000                    |
| #2 P&S WING TANKS         | 848                                    | 15.000                    |

**\*Loading Constraints - Stability\***

| Hull Type | Maximum Load (short tons) | Maximum Draft (ft/in) | Max Density (lbs/gal) | Route Description |
|-----------|---------------------------|-----------------------|-----------------------|-------------------|
| II        | 3802                      | 10ft 0in              | 15                    | R,LBS,LC          |
| III       | 4670                      | 11ft 9in              | 15                    | R,LBS,LC          |

**\*Conditions Of Carriage\***

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN98012702, dated August 8, 2000, and Grade A and lower cargoes may be carried.

Per 46 CFR 150.130, the Person In Charge of the vessel 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, Part 150, in conjunction with the reactive group numbers from the "Compat Group No" column listed in the vessel's Cargo Authority Attachment.

When the vessel is carrying cargoes containing greater than 0.5% benzene by volume, the person in charge is responsible for ensuring the provisions of 46 CFR Part 197, Subpart C are applicable.

Per 46 CFR 39, excluding Part 39.4000, this vessel's vapor control system (VCS) has been inspected to the plans approved by Marine Safety Center letter serial # C2-9801756, dated 20May98, 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.

In accordance with 46 CFR Part 39.1017 and 39.5000(e), this vessel's VCS has been evaluated and approved by Marine Safety Center letter Serial # C2-9801756 dated 20May98, for multi-breasted tandem loading with other vessels specifically approved to tandem load with this vessel.

**--- Inspection Status ---**



# Certificate of Inspection

Vessel Name: CBC 7028

**\*Cargo Tanks\***

| Tank Id           | Internal Exam |           |           | External Exam |      |      |
|-------------------|---------------|-----------|-----------|---------------|------|------|
|                   | Previous      | Last      | Next      | Previous      | Last | Next |
| #3 P&S WING TANKS | 04Aug2008     | 26Sep2018 | 30Sep2028 | -             | -    | -    |
| #1 P&S WING TANKS | 04Aug2008     | 26Sep2018 | 30Sep2028 | -             | -    | -    |
| #2 P&S WING TANKS | 04Aug2008     | 26Sep2018 | 30Sep2028 | -             | -    | -    |

Hydro Test

| Tank Id           | Safety Valves | Hydro Test |      |      |
|-------------------|---------------|------------|------|------|
|                   |               | Previous   | Last | Next |
| #3 P&S WING TANKS | -             | -          | -    | -    |
| #1 P&S WING TANKS | -             | -          | -    | -    |
| #2 P&S WING TANKS | -             | -          | -    | -    |

**---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\*\*\*



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: 7028

Official #: CG055338

Page 1 of 3

Shipyard: TRINITY MARI

Hull #:

### 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'l's of Construction |
|  |           | Group No | Exc |       |           |                        |  |
| Ammonium bisulfite solution (70% or less)  | ABX       | 43       | Y   |       | III       |                        | .50-73, .56-1(a), (b), (c)   |
| Acrylonitrile  | ACN       | 15       | Y   | C     | II        |                        | .50-70(a), .55-1(e)  |
| Adiponitrile   | ADN       | 37       | N   | E     | II        |                        | No   |
| Aminoethylethanofamine   | AEE       | 8        | N   | E     | III       |                        | .55-1(b)   |
| N-Aminoethylpiperazine   | AEP       | 7        | N   | E     |           |                        |  |
| Anthracene oil (Coal tar fraction)   | AHO       | 33       | N   |       | II        |                        | No   |
| 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       |                        | No   |
| Butyraldehyde (all isomers)  | BAE       | 19       | N   | C     | III       |                        | .55-1(h)   |
| Butyl acrylate (all isomers)   | BAR       | 14       | N   | D     | III       |                        | .50-70(a), .50-81(a), (b)  |
| Benzene hydrocarbon mixtures (containing Acetylenes)(having 10% Benzene or more) | BHA       |          |     |       | III       |                        | .50-60, .56-1(b), (d), (f), (g)  |
| Benzene hydrocarbon mixtures (having 10% Benzene or more)                        | BHB       | 32       | N   |       | III       |                        | .50-60   |
| Butyl methacrylate   | BMH       | 14       | N   | D     | III       |                        | .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       |                        | .50-60   |
| Carbon tetrachloride   | CBT       | 36       | N   |       | III       |                        | No   |
| Cyclohexanone  | CCH       | 18       | N   | D     | III       |                        | .56-1(a), (b)  |
| Creosote (all isomers)   | CCW       | 21       | Y   | E     | III       | V                      | No   |
| Cyclohexylamine  | CHA       | 7        | N   | D     | III       |                        | .56-1(a), (b), (c), (g)  |
| Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein) | CHG       | 0        | N   | C     | III       | V                      | No   |
| Camphor oil  | CPO       | 18       | N   | D     | II        |                        | No   |
| Caustic potash solution  | CPS       | 5        | Y   |       | III       |                        | .50-73, .55-1(j)   |
| Chlorobenzene  | CRB       | 36       | N   | D     | III       |                        | No   |
| Chloroform   | CRF       | 36       | N   | E     | III       |                        | No   |
| Cresols  | CRS       | 21       | N   | E     | III       |                        | No   |
| Cresylic acid tar  | CRX       | 21       | N   |       | III       | V                      | .55-1(f)   |
| Cyclopentadiene, Styrene, Benzene mixture  | CSB       | 30       | N   | D     |           | V                      | .50-60, .56-1(b)   |
| Cresylate spent caustic  | CSC       | 5        | N   |       | III       |                        | .50-73, .55-1(b)   |
| Caustic soda solution  | CSS       | 5        | Y   |       | III       |                        | .50-73, .55-1(j)   |
| Crotonaldehyde   | CTA       | 19       | Y   | C     | II        |                        | .55-1(h)   |
| N,N-Dimethylacetamide  | DAC       | 10       | N   | E     | III       | V                      | .56-1(b)   |
| 2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution                      | DAD       | 0        | Y   |       | III       |                        | .56-1(a), (b), (c), (g)  |
| Diisobutylamine  | DBU       | 7        | N   | D     | III       | V                      | .55-1(c)   |
| Dichlorobenzenes (all isomers)   | DBX       | 36       | N   | E     | III       |                        | .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, dimethylamine salt solution (70% or less)        | DDA       | 0        | Y   | NF    | III       |                        | .55-1(b)   |
| 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       | V                      | .55-1(e)   |
| Diethylenetriamine   | DET       | 7        | Y   | E     | III       | V                      | .55-1(c)   |
| Diisopropylamine   | DIA       | 7        | N   | C     | II        | V                      | .55-1(c)   |
| Diisopropanolamine   | DIP       | 8        | N   | E     | III       | V                      | .55-1(e)   |
| Dimethylethanofamine   | DMB       | 8        | N   | D     | III       | V                      | .56-1(b), (c)  |
| Dimethylformamide  | DMF       | 10       | N   | D     | III       | V                      | .55-1(e)   |
| Dichloropropene, Dichloropropane mixtures  | DMX       | 15       | N   |       | II        | V                      | No   |
| Di-n-propylamine   | DNA       | 7        | N   | C     | II        | V                      | .55-1(e)   |

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# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: 7028

Official #: CG055338

Page 2 of 3

Shipyard: TRINITY MARI

Hull #:

| 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 |       |           |                        |   |
| Dodecyltrimethylamine, Tetradecyltrimethylamine mixture                       | DOT       | 7        | N   | E     | III       |                        | .56-1(b)  |
| 1,1-Dichloropropane   | DPB       | 36       | N   | C     | III       | V                      | No  |
| 1,3-Dichloropropane   | DPC       | 36       | N   | C     | III       | V                      | No  |
| 1,2-Dichloropropane   | DPP       | 36       | N   | C     | III       | V                      | No  |
| 1,3-Dichloropropene   | DPU       | 15       | N   | D     | II        | V                      | No  |
| 2,4-Dichlorophenoxyacetic acid, triisopropanolaminesalt 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)   |
| 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        | V                      | .55-1(b)  |
| N-Ethylbutylamine   | EBA       | 7        | N   | C     | III       | V                      | .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       |                        | No  |
| Ethylene glycol propyl ether  | EGP       | 40       | N   | E     | III       |                        | 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)   |
| Ethylene dichloride, 1,1,2-Trichloroethane mixture                            | ETX       |          |     |       |           | V                      |   |
| 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       |                        | .50-70(a), .50-81(a), (b)   |
| Hexamethylenediamine solution   | HMC       | 7        | N   | E     | III       | V                      | .55-1(e)  |
| Hexamethyleneimine  | HMI       | 7        | N   | C     | II        | V                      | .56-1(b), (c)   |
| 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        | V                      | .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       |                        | .50-73, .56-1(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                      | .56-1(b), (c)   |
| Ethanolamine  | MEA       | 8        | N   | E     | III       | V                      | .55-1(c)  |
| 2-Methyl-5-ethylpyridine  | MEP       | 9        | N   | E     | III       | V                      | .55-1(e)  |
| 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       | V                      | .55-1(c)  |
| Mesityl oxide   | MSO       | 18       | Y   | D     | III       | V                      | No  |
| alpha-Methylstyrene   | MSR       | 30       | N   | D     | III       |                        | .50-70(a), .50-81(a), (b)   |
| Coal tar naphtha solvent  | NCT       | 33       | N   | D     | III       |                        | .50-73  |
| 1- or 2-Nitropropane  | NPM       | 42       | N   | D     | III       | V                      | .50-81  |
| Propanolamine (iso-, n-)  | PAX       | 8        | N   | E     | III       | V                      | .56-1(b), (c)   |
| Pentachloroethane   | PCE       | 36       | N   |       | III       |                        | No  |
| 1,3-Pentadiene  | PDE       | 30       | N   | A     | III       | V                      | .50-70(a), .50-81   |
| Propylene dimer   | PDR       | 30       | N   | #     |           | V                      |   |
| Polyethylene polyamines   | PEB       | 7        | Y   | E     | III       | V                      | .55-1(e)  |
| Perchloroethylene   | PER       | 36       | N   | NF    | III       |                        | No  |
| Polyglycerine, Sodium salts solution (containing 3% or more Sodium hydroxide) | PGS       |          |     |       |           |                        |   |

\*\*\* This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection. \*



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: 7028  
Official #: CG055338

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Shipyard: TRINITY MARI  
Hull #: \_\_\_\_\_

| Cargo Identification  |           |          |     |       |           | Conditions of Carriage |  |
|---|-----------|----------|-----|-------|-----------|------------------------|--|
| Name  | Chem Code | Compat   |     | Grade | Hull Type | Note                   | Special Requirements in 46 CFR 151 General and Mat'l's of Construction |
|   |           | Group No | Exc |       |           |                        |  |
| Sodium acetate, Glycol, Water mixture (3% or more Sodium hydroxide)                   | SAP       | 5        | N   |       | III       |                        |  |
| Sodium aluminate solution (45% or less)   | SAU       | 5        | N   |       | III       |                        | .50-73, .56-1(a), (b), (c)   |
| Sodium chlorate solution (50% or less)  | SDD       | 0        | Y   | NF    | III       |                        | .50-73   |
| Sodium sulfide  | SDS       |          |     |       |           |                        |  |
| Sodium hypochlorite solution (15% or less)  | SHP       | 5        | N   |       | III       |                        |  |
| Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)                            | SSH       | 0        | Y   |       | III       |                        | .50-73, .55-1(b)   |
| Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm) | SSI       | 0        | Y   |       | III       |                        | .50-73, .55-1(b)   |
| Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)                      | SSJ       | 0        | Y   |       | II        |                        | .50-73, .55-1(b)   |
| Styrene tar   | STT       | 33       | N   | E     |           |                        |  |
| Styrene (crude)   | STX       | 30       | N   | C     | III       |                        | No   |
| Styrene   | STY       | 30       | N   | D     | III       |                        | .50-70(a), .50-81(a), (b)  |
| Sewage, raw   | SWR       |          |     |       |           |                        |  |
| 1,2,4-Trichlorobenzene  | TCB       | 36       | N   | E     | III       |                        | No   |
| Trichloroethylene   | TCL       | 36       | Y   |       | III       |                        | No   |
| 1,1,2-Trichloroethane   | TCM       | 36       | N   |       | III       |                        | .50-73, .56-1(a)   |
| 1,2,3-Trichloropropane  | TCN       | 36       | N   | E     | II        | V                      | .50-73, .56-1(a)   |
| Triethanolamine   | TEA       | 8        | Y   | E     | III       | V                      | .55-1(b)   |
| 1,1,2,2-Tetrachloroethane   | TEC       | 36       | N   | NF    | III       | V                      | No   |
| Triethylamine   | TEN       | 7        | N   | C     | II        | V                      | .55-1(e)   |
| Triethylenetetramine  | TET       | 7        | Y   | E     | III       | V                      | .55-1(b)   |
| Tetrahydrofuran   | THF       | 41       | N   | C     | III       |                        | .50-70(b)  |
| Triphenylborane (10% or less), caustic soda solution                                  | TPB       | 5        | N   |       | III       |                        | .56-1(a), (b), (c)   |
| Trisodium phosphate solution  | TSP       | 5        | N   | NF    | III       |                        | .50-73, .56-1(a), (c)  |
| Tetraethylenepentamine  | TTP       | 7        | N   | E     | III       |                        | .55-1(c)   |
| Urea, Ammonium nitrate solution (containing more than 2% Ammonia)                     | UAS       | 6        | N   |       | III       |                        | .56-1(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)                                | VBL       | 5        | N   |       | III       |                        | .50-73, .56-1(a), (c), (g)   |
| Vinyltoluene  | VNT       | 13       | N   | D     | III       |                        | .50-70(a), .50-81, .56-1(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 for 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.
- A, B, C** Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
- D, E** Combustible liquid cargoes, as defined in 46 CFR 30-10.15.
- NA, NF** Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
- #** No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available.
- Hull Type** The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1.
- I** 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).
- II** Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
- III** 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.