22-38	Departmer	d States of An t of Homelan States Coas	nd Securi	ty	Certification Date:	La check de la
For ships on international voyages	this certificate fulfills the requi					ENT.
/essel Name	Official Number	IMO Numb	ər	Call Sign	Service	
KIRBY 10272	1249474				Tank Ba	rge
Hailing Port WILMINGTON, DE	Hull Material Steel	. Horser	oower	Propulsi	n	
UNITED STATES						
Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
CARUTHERSVILLE, MO	10Dec2013	14Nov2013	R-705	R-705		R-200.0
UNITED STATES						
Owner KIRBY INLAND MARINE LP 55 WAUGH DRIVE, SUITE 1000 HOUSTON, TX 77007 UNITED STATES		1835 CHA	Y INLAND 0 MARKET NNELVIEV ED STATE	STREET		
This vessel must be manned with the 0 Certified Lifeboatmen, 0 Certified	e following licensed	and unlicensed	d Personne	I. Included	I in which there mu	st be

ő	0 Chief Mates	O FIRST Class Pliots	U FIISt Assistant Lighters	
	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, limited coastwise, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida.

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR 31.10-21(a) (2). 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 per 46 CFR 31.10-21(a) (1) and the cognizant OCMI must be notified in writing as soon as this change in status occurs.

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

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at Freeport, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Houston-Galveston certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

the rules and	Annual/Peric	dic/Re-Ins	spection	This certificate issued by: B.P. Bergan
Date	Zone	A/P/R	Signature	B.P. BERGAN CDR, USCG, BY DIRECTION
11/18/24	BTR,LA	A	Daylan Cacoste	Officer in Charge, Marine Inspection Houston-Galveston
				Inspection Zone
	and the providence	and the second		OMP N. 211

Dept. of Home Sec., USCG, CG-841 (Rev 4-2000)(v2)

OMB No. 2115-0517



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

Certificate of Inspection

Vessel Name: KIRBY 10272	
Inspection Program (TBSIP). Inspection activities aboard this barge shall be conducted in Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed Galveston.	
Hull Exams	
Exam Type Next Exam Last Exam Prior E	xam
DryDock 31Dec2028 13Dec2018 10Dec	2013
Internal Structure 28Feb2029 12Feb2024 13Dec	2018
Liquid/Gas/Solid Cargo Authority/Conditions Authorization: GRADE A AND LOWER AND SPECIFIED HAZARDOUS CARGOES.	
Total Capacity Units Highest Grade Type Part151 Regulated Part153 Regulate	d Part154 Regulated
10300 Barrels A Yes No	No
	110
Hazardous Bulk Solids Authority	
Not Authorized	
Loading Constraints - Structural	
Tank Number Max Cargo Weight per Tank (short tons) Maximum De	ısity (lbs/gal)
1C 694 9.99	
2C 639 9.99	
3C 635 9.99	
Loading Constraints - Stability	
Hull Type Maximum Load Maximum Draft Max Density Route Description (short tons) (ft/in) (lbs/gal)	
II 1388 8ft 9in 13.58 R, LBS	
II 1441 9ft 0in 9.99 R, LBS	
III 1388 8ft 9in 13.58 R, LBS	
III 1441 9ft 0in 12.91 R, LBS	
III 1495 9ft 3in 12.08 R, LBS	
III 1549 9ft 6in 11.03 R, LBS	
III 1874 11ft 0in 9.99 R, LBS	
Conditions Of Carriage	
Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial # C1-1401421, d be carried, and then only in the tanks indicated. When the vessel is carrying cargoes containing greate the person in charge is responsible for ensuring the provisions of 46 CFR 197, Subpart C are applied.	r than 0.5% benzene,

Per 46 CFR 150.130, the Person in Charge of the vessel is responsible for ensuring that the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the compatibility group numbers from the "Compat Group No" column listed in the vessel's CAA.

The maximum design density of cargo which may be filled to the tank top is 9.9 lbs/gal. Cargoes with higher densities, up to 13.58 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

Per 46 CFR 151.10-15(c)(2) the max tank weights reflect uniform (within 5%) loading at the deepest draft allowed. When carrying Subchapter O cargoes at shallower drafts, the barge(s) should always be loaded uniformly.



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

Certificate of Inspection

Vessel Name: KIRBY 10272

Vapor Control Authorization

In accordance with 46 CFR Part 39, excluding part 39.4000, this vessel's vapor collection system (VCS) has been inspected to the plans approved by MSC Letter #C1-1303374 dated October 18, 2013 and has been found acceptable for the collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column. The VCS system has been approved with a pressure side of 6 psig P/V valve with Coast Guard Approval 162.017/167/4. The cargo tank top is suitable for a maximum allowable working pressure (MAWP) of 6.50 psig.

--- Inspection Status ---

Cargo Tanks

	Internal Exam	1		External Exar	n	
Tank Id	Previous	Last	Next	Previous	Last	Next
1C	10Dec2013	13Dec2018	31Dec2028	13Dec2018	12Feb2024	28Feb2029
2C	10Dec2013	13Dec2018	31Dec2028	13Dec2018	12Feb2024	28Feb2029
3C	10Dec2013	13Dec2018	31Dec2028	13Dec2018	12Feb2024	28Feb2029
			Hydro Test			
Tank Id	Safety Valves	5	Previous	Last	Next	
1C	-		-	-	-	
2C	-		-	-	-	
3C	-		-	-	-	

---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: KIRBY 10272

Official #: 1249474

Shipyard: Trinity Caruthersville Hull #: 5997-8

46 CFR 151 Tank Group Characteristics

Tank Group Information	ank Group Information Cargo Identification			Caroo	Tanks			Carg Tran		Enviror Control		Fire	Special Requirements				
Tnk Grp Tanks in Group	Density	Press.	Temp.	Hull Typ	Seq	Туре	Vent	Gauge	Pipe Class	Cont	Tanks		Protection Provided	General	Materials of Construction	Elec Haz	Temp Cont
A #1C, #2C, #3C	13.6	Atmos.	Elev	II	1ii 2ii	Integral Gravity	PV	Closed	II	G-1	NR	NA	Portable	.50-70(a), .50-	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (c), (d), (e), (f), (g),	NR	Yes

Notes: 1. Under Environmental Control, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks

2. Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo handling space. NA means that the vessel does not have a cargo control space, and this requirement is not applied.

3. Under Electrical Hazard Class, NA means that the tank group is suitable only for those cargoes which have no electrical hazard class requirement. NR means that the vessel has no electrical equipment located in a hazardous location.

List of Authorized Cargoes

Cargo Ident	ification					Conditions of Carriage						
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor R App'd (Y or N)	VCS	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period		
Authorized Subchapter O Cargoes												
Acetonitrile	ATN	37	0	С	III	Α	Yes	3	No	G		
Acrylonitrile	ACN	15 ²	0	С	Ш	Α	Yes	4	.50-70(a), .55-1(e)	G		
Adinanitrila		27	0	E	Ш	Δ	Voc	1	No	G		

Acrylonitrile	ACN	15 ²	0	С	Ш	А	Yes	4	.50-70(a), .55-1(e)	G
Adiponitrile	ADN	37	0	Е	Ш	А	Yes	1	No	G
Alkyl(C7-C9) nitrates	AKN	34 ²	0	NA	III	А	No	N/A	.50-81, .50-86	G
Aminoethylethanolamine	AEE	8	0	Е	III	А	Yes	1	.55-1(b)	G
Ammonium bisulfite solution (70% or less)	ABX	43 ²	0	NA	III	А	No	N/A	.50-73, .56-1(a), (b), (c)	G
Ammonium hydroxide (28% or less NH3)	AMH	6	0	NA	III	А	No	N/A	.56-1(a), (b), (c), (f), (g)	G
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	Ш	А	No	N/A	No	G
Benzene	BNZ	32	0	С	III	А	Yes	1	.50-60	G
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 ²	0	С	III	А	Yes	1	.50-60	G
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	BHA	32 ²	0	С	III	A	Yes	1	.50-60, .56-1(b), (d), (f), (g)	G
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	0	B/C	III	А	Yes	1	.50-60	G
Butyl acrylate (all isomers)	BAR	14	0	D	III	А	Yes	2	.50-70(a), .50-81(a), (b)	G
Butyl methacrylate	BMH	14	0	D	III	А	Yes	2	.50-70(a), .50-81(a), (b)	G
Butyraldehyde (all isomers)	BAE	19	0	С	III	А	Yes	1	.55-1(h)	G
Camphor oil (light)	CPO	18	0	D	Ш	А	No	N/A	No	G
Carbon tetrachloride	CBT	36	0	NA	III	А	No	N/A	No	G
Caustic potash solution	CPS	5 ²	0	NA	III	А	No	N/A	.50-73, .55-1(j)	G
Caustic soda solution	CSS	5 ²	0	NA	III	А	No	N/A	.50-73, .55-1(j)	G
Chemical Oil (refined, containing phenolics)	COD	21	0	Е	Ш	А	No	N/A	.50-73	G
Chlorobenzene	CRB	36	0	D	III	А	Yes	1	No	G
Chloroform	CRF	36	0	NA	III	А	Yes	3	No	G
Coal tar naphtha solvent	NCT	33	0	D	III	А	Yes	1	.50-73	G
Coal tar pitch (molten)	CTP	33	0	Е	III	А	No	N/A	.50-73	G
Creosote	CCW	21 ²	0	Е	III	А	Yes	1	No	G
Cresols (all isomers)	CRS	21	0	Е	III	А	Yes	1	No	G
Cresylate spent caustic	CSC	5	0	NA	III	А	No	N/A	.50-73, .55-1(b)	G
Cresylic acid tar	CRX		0	Е	III	А	Yes	1	.55-1(f)	G
Crotonaldehyde	CTA	19 ²	0	С	Ш	А	Yes	4	.55-1(h)	G
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG		0	С	III	А	Yes	1	No	G
Cyclohexanone	CCH	18	0	D	III	А	Yes	1	.56-1(a), (b)	G
Cyclohexanone, Cyclohexanol mixture	CYX	18 ²	0	Е	III	А	Yes	1	.56-1 (b)	G



Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 10272 Official #: 1249474

Page 2 of 8

Shipyard: Trinity Caruthersville Hull #: 5997-8

Name Corporation State (Corporation for Corporation f	Cargo Identificatio	n						(Condi	tions of Carriage	
Name Oracle Description Type Description Type Type T Normal Mate of Perform Cyckpagningtione, Bornzene mixture CSB 30 0 D H A Yes 1 89-06-01 0 D H A Yes 1 86-00 0 D 1 A Yes 1 86-00 0 D 1 A Yes 1 86-00 0 D 1 A Yes 1 86-00 D D 1 A Yes 1 86-00 D D D D D D D D D D D D D D								Vapor R	ecovery		
Construction CSB 30 O D III A Yes 1 SHA 59430 C Iso-Deroy darytist IAI 14 0 E III A Yes 3 SHA 59430 C C Iso-Deroy darytist IAI 144 14 0 E III A Yes 3 SHA 59430 C C III A Yes 3 SHA 59430 C C III A Yes 1 SHA 59430 G C III A Yes 1 SHA 59430 G C III A Yes 3 SHA 59430 G C III A Yes 3 SHA 59430 G C III A Yes	Name				Grade						
Descher variable of the second of t	Cyclohexylamine	CHA	7	0	D	111	А	Yes	1	.56-1(a), (b), (c), (g)	G
Backborg Disk	Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	III	А	Yes	1	.50-60, .56-1(b)	G
Disk Disk <thdisk< th=""> Disk Disk <thd< td=""><td>iso-Decyl acrylate</td><td>IAI</td><td>14</td><td>0</td><td>Е</td><td>III</td><td>А</td><td>Yes</td><td>2</td><td>.50-70(a), .50-81(a), (b), .55-1(c)</td><td>G</td></thd<></thdisk<>	iso-Decyl acrylate	IAI	14	0	Е	III	А	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)	G
1.2 Dehloroprophenoxyacetic acid, diethanolamine salt solution DCE 4.4 0 D II A Yes 1 54-10 6 2.4 Dehlorophenoxyacetic acid, diethanolamine salt solution DDA 0 A No. NNA NNA NNA NNA 54-100-100-000-000-000-000-000-000-000-00	Dichlorobenzene (all isomers)	DBX	36	0	Е	III	А	Yes	3	.56-1(a), (b)	G
Deck Dock Size O NA III A Yes S No III A Yes S No C 2.4-Dichlorophenoxyaetic add, dimethylamine salt solution DDE 43 O E IIII A No NAA Xes Set 10.6 M, 16.0 G 2.4-Dichlorophenoxyaetic add, dimethylamine salt solution DTI 43 C E III A No NAA Xes Set 10.6 M, 16.0 G 1.3-Dichlorophogene DPD 36 O C III A Yes 3 No G G I.1 A Yes 3 No G G I.1 A Yes 3 No G G G G I.1 No	1,1-Dichloroethane	DCH	36	0	С	III	А	Yes	1	No	G
Debut Notation DODE 43 O E III A No NA 45*10. G 2.4-Dichlorophenoxyacetic acid, direnthylamine salt solution DDD 1.3 C A III A No NA 45*10.0 6 G 2.4-Dichlorophenoxyacetic acid, direnthylamine salt solution DDP 38 O C III A No NA 45*10.0 6 G 1.0 1.0 1.0 No NA 45*10.0 6 G 1.1 A No NA 45*10.0 6 G 1.1 A Yes 3 No G G 1.1 A Yes 3 No G G 1.1 A Yes 3 No G	2,2'-Dichloroethyl ether	DEE	41	0	D	П	А	Yes	1	.55-1(f)	G
Experimensignamensional advantage Dock Data Dispersional A No. NA 48+1(a) (b) (c) (a) 0 2.4-Dichlorghenovyacetic acid, trisopropanelamine satt solution DTI 4.3 C E III A No. NA 48+1(a) (b) (c) (a) 0 2.4-Dichlorghenovyacetic acid, trisopropanelamine satt solution DTI 4.3 C III A Yes 3 No 0 0 1.3-Dichlorghenone DPC 36 O C III A Yes 3 No 0 1.3-Dichlorghenone DPU 15 O D III A Yes 4 No 0 1.3-Dichlorghenone DPU 15 O C III A Yes 4 No 0 Dichtopropane DPU 15 O C III A Yes 3 55+10 0 Dichtopropanelamine DIP 7 O C III A	Dichloromethane	DCM	36	0	NA	Ш	А	Yes	5	No	G
Antochongenetic add, drined yramine sam adduddin Drib G O E III A No NA 46-(h), (h), (h), (h) 0 1.1-Dichlorgroppane DPB 36 O C III A No NA 46-(h), (h), (h), (h) 0 1.3-Dichlorgroppane DPC 36 O C III A Yes 3 No 0 1.3-Dichlorgroppane DPC 36 O C III A Yes 1 No NA 46 0 1.3-Dichlorgroppane DPU 15 O D I A Yes 1 No NA 60 Dichtorgroppane DHU T5 O C III A Yes 3 5-140 0 0 Dichtorgroppane Dichtorgroppane D D D D D D D D D D D D D D D D D <td>2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution</td> <td>DDE</td> <td>43</td> <td>0</td> <td>Е</td> <td>III</td> <td>А</td> <td>No</td> <td>N/A</td> <td>.56-1(a), (b), (c), (g)</td> <td>G</td>	2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	Е	III	А	No	N/A	.56-1(a), (b), (c), (g)	G
Disconcyber openane DPB 36 O C III A Yes 3 No 6 1.2-Dichtorpropane DPP 36 O C III A Yes 3 No 0 1.3-Dichtorpropane DPC 36 O C III A Yes 3 No 0 1.3-Dichtorpropane DPU 15 O D III A Yes 1 No 0 Dichtorpropane DPU 15 O D III A Yes 1 So 0 C III A Yes 3 So 0 C III A Yes 3 So 0 C IIII A Yes 3 So 0 D Disopropaniamine DID A Yes 3 So 0 D III A Yes 3 So 0 D IIII A	2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2	² O	А	Ш	А	No	N/A	.56-1(a), (b), (c), (g)	G
In Discloppopane DPP 36 0 1 A Yes 3 No 0 1,3-Dichitorpopane DPC 36 0 C III A Yes 3 No 0 1,3-Dichitorpopane DPC 35 0 D II A Yes 3 No 0 Dichtonopropene, Dichoropropane mixtures DMX 15 0 C III A Yes 1 55-169 0 Dictorpopene, Dichoropropane mixtures DMX 15 0 C III A Yes 1 55-169 0 Distryamine DEN 7 0 C III A Yes 3 55-169 0 0 0 Distryamine 0 0 D III A Yes 3 55-169 0 0 D Distryamyonaviane 0 0 D III A Yes 3 55-169 0 0 </td <td>2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution</td> <td>DTI</td> <td>43 ²</td> <td>0</td> <td>Е</td> <td>Ш</td> <td>А</td> <td>No</td> <td>N/A</td> <td>.56-1(a), (b), (c), (g)</td> <td>G</td>	2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 ²	0	Е	Ш	А	No	N/A	.56-1(a), (b), (c), (g)	G
Industry program DPC 36 O C III A Yes 3 Ne 6 1.3-Dichloropropane DPU 15 O D III A Yes 3 Ne 6 Dicktoropropene Dicktoropropene Dicktoropropene D III A Yes 1 A Ne NA 1 A Ne NA NA NA<	1,1-Dichloropropane	DPB	36	0	С	Ш	А	Yes	3	No	G
Instruction/opinalise DFU 15 O D III A Yes 1 No Jabichiorgoppene Dickloropropene, Dichloropropene mixtures DMX 15 O C III A Yes 1 No G Dickhoropropene, Dichloropropene mixtures DMX 15 O C III A Yes 1 As-140 G Diethylenetriamine DET 7 O C III A Yes 1 As-140 G Disoburtyamine DBU 7 O D III A Yes 1 As-140 G Disoburtyamine DBU 7 O C III A Yes 1 As-140 G Disoburtyamine DAC IO C III A Yes 1 As-140 G G Disoburtyamine G Disoburtyamine G Disoburtyamine G Disoburtyamine DIA	1,2-Dichloropropane	DPP	36	0	С	III	А	Yes	3	No	G
Dickhoropropene. Dickhoropropane mixtures DMX 15 O C II A Yes 1 No G Diethanolamine DEA 8 O E III A Yes 1 25-160 G Diethyamine DEN 7 O C III A Yes 1 25-160 G Diethyamine DEN 7 O C III A Yes 1 25-160 G Discopropanolamine DIP 8 O E III A Yes 3 25-160 G Discopropanolamine DIA 7 O C II A Yes 3 25-160 G D Discopropanolamine DIM A Yes 3 25-160 G D Discopropanolamine DMB 8 O D III A Yes 3 25-160 G D Discopropanolamine D <t< td=""><td>1,3-Dichloropropane</td><td>DPC</td><td>36</td><td>0</td><td>С</td><td>III</td><td>А</td><td>Yes</td><td>3</td><td>No</td><td>G</td></t<>	1,3-Dichloropropane	DPC	36	0	С	III	А	Yes	3	No	G
International properties, but modely provided multiple DEA Did D <thd< th=""> <thd< th=""> <thd< th=""> D</thd<></thd<></thd<>	1,3-Dichloropropene	DPU	15	0	D	Ш	А	Yes	4	No	G
Distribution DEN O C III A Yes 3 35-10 G Diethylamine DEN 7 O C III A Yes 3 35-10 G Disobutylamine DBU 7 O D III A Yes 3 35-10 G Disopropanciamine DIP 8 O E III A Yes 3 35-10 G Disopropanciamine DIP 8 O E III A Yes 3 35-10 G Dimetrylethanolamine DIA 7 O C III A Yes 3 36-10 G Dimetrylethanolamine DMA 7 O C III A Yes 3 36-10 G G G G G G G G G G G G G G G G G <td>Dichloropropene, Dichloropropane mixtures</td> <td>DMX</td> <td>15</td> <td>0</td> <td>С</td> <td>Ш</td> <td>А</td> <td>Yes</td> <td>1</td> <td>No</td> <td>G</td>	Dichloropropene, Dichloropropane mixtures	DMX	15	0	С	Ш	А	Yes	1	No	G
Detry for training Deriv T C C III A Yes 1 55-1(0) G Disopropanolamine DIP 8 O E III A Yes 1 55-1(0) G Disopropanolamine DIP 8 O E III A Yes 3 55-1(0) G Disopropanolamine DIA 7 O C I A Yes 3 56-1(0) G N.P.Dimethylacatamide DAC 10 O E III A Yes 3 56-1(0) G Dimethylomamide DMF 10 O D III A Yes 3 56-1(0) G Dideopt diphenyl ether disulfonate solution DOS A II A No N/A No QA G E Ethylanyl ether disulfonate solution G G Ethylanyl ether disulfonate solution G G G G G	Diethanolamine	DEA	8	0	Е		А	Yes	1	.55-1(c)	G
Data synthesization Data T O D III A Yes 3 35-1(c) 6 Disoptrypanolamine DIP 8 O E III A Yes 3 35-1(c) 6 Disoptrypanolamine DIA 7 O C III A Yes 3 35-1(c) 6 Disoptrypanolamine DIA 7 O C III A Yes 3 35-1(c) 6 Dimethylectanide DMB 8 O D IIII A Yes 1 55-1(o) 6 Dimethylectanide DMF 10 O D III A No N/A 55-1(o) 6 Dodecyldimethylamine, Tetradecyldimethylamine mixture DOT 7 O E III A No N/A 56-1(o) 6 Ethaloalmine MEA 8 O E III A Yes 1 <td< td=""><td>Diethylamine</td><td>DEN</td><td>7</td><td>0</td><td>С</td><td> </td><td>А</td><td>Yes</td><td>3</td><td>.55-1(c)</td><td>G</td></td<>	Diethylamine	DEN	7	0	С		А	Yes	3	.55-1(c)	G
Disobutylamine DBU 7 O D III A Yes 3 46-160 6 Disopropanolamine DIP 8 O E III A Yes 1 35-110 G Disopropylamine DIA 7 O C II A Yes 3 35-110 G Dimetrylacetamide DAC 10 O E III A Yes 3 35-110 G Dimetrylationalamine DMB 8 O D III A Yes 1 35-110 G Dimetrylationanine DMF 7 O C II A Yes 1 35-110 G G Dodecyldimetrylamine, Tetradecyldimetrylamine mixture DOT 7 O E III A No N/A Mo G G Ethylacylationate solution G S S S S S S S	Diethylenetriamine	DET	7 ²	0	Е	Ш	А	Yes	1	.55-1(c)	G
Disopropulativine DIA 7 0 C II A Yes 3 55-1(a) 6 N.N-Dimethylacetamide DAC 10 0 E III A Yes 3 55-1(a) 6 Dimethylormamide DMB 8 0 D III A Yes 1 55-1(a) 6 Din-propylamine DMA 7 O C II A Yes 3 55-1(a) 6 Dodecyldimethylamine, Tetradecyldimethylamine mixture DOT 7 O E III A No N/A 56-1(b) 6 Dodecyldinethylamine, Tetradecyldimethylamine mixture DOS 43 O # II A No N/A 66-1(b) 6 Edsyoci Ether Mixture EEG 40 O D III A No N/A 66-1(b) 6 55-1(b) 6 6 55-1(b) 6 6 55-1(b) 6		DBU	7	0	D	Ш	А	Yes	3	.55-1(c)	G
Disopropylamine DIA 7 O C II A Yes 3 55-1(c) 6 N.N-Dimethylacetamide DAC 10 O E III A Yes 3 55-1(c) 6 Dimethylomamide DMB 8 O D III A Yes 1 55-1(c) 6 Din-propylamine DMA 7 O C II A Yes 3 55-1(c) 6 Dodecyldimethylamine, Tetradecyldimethylamine mixture DOT 7 O E III A No N/A 56-1(c) 6 Dodecyl diphenyl ether disulfonate solution DOS 43 O # II A No N/A 56-1(c) 6 Ethylanolamine EKG 40 O D III A No N/A 56-1(c) 6 55-1(c) 6 55-1(c) 6 55-1(c) 6 55-1(c) 6 6	Diisopropanolamine	DIP	8	0	Е	Ш	А	Yes	1	.55-1(c)	G
N.N-Dimethylacetamide DAC 10 O E III A Yes 3 56-1(b) G Dimethylethanolamine DMB 8 O D III A Yes 1 .56-1(b) G Dimethylethanolamine DMF 10 O D III A Yes 1 .56-1(b) G Dimethylethanolamine DMA 7 O C III A Yes 3 .56-1(b) G Dodecyl diphenyl ether disulfonate solution DOS 43 O # II A No N/A No G G Dodecyl diphenyl ether disulfonate solution DOS 43 O # II A No N/A No N/A No G <td></td> <td>DIA</td> <td>7</td> <td>0</td> <td>С</td> <td>П</td> <td>А</td> <td>Yes</td> <td>3</td> <td>.55-1(c)</td> <td>G</td>		DIA	7	0	С	П	А	Yes	3	.55-1(c)	G
Dimethylethanolamine DMB 8 O D III A Yes 1 35-1(b) 0 Dimethylformamide DMF 10 O D III A Yes 1 35-1(c) 0 Din-propylamine DOX 7 O E III A Yes 3 35-1(c) 0 Dodecyldimethylamine, Tetradecyldimethylamine mixture DOS 43 O # II A No N/A A6-1(b) 0 Dodecyldimethylamine, Tetradecyldimethylamine mixture EEG 40 O D III A No N/A No 0 E Ethylacylatylatylatylatylatylatylatylatylatylat		DAC	10	0	Е	Ш	А	Yes	3	.56-1(b)	G
Dimension DNA 7 O C II A Yes 3 55-10 G Dodecyldimethylamine, Tetradecyldimethylamine mixture DOT 7 O E III A No N/A 56-10 G Dodecyl diphenyl ether disulfonate solution DOS 43 O # II A No N/A No G Ed Gycol Ether Mixture EEG 40 O D III A No N/A No G Ethanolamine MEA 8 O E III A Yes 1 55-160 G Ethylatrylate EAC 14 O C III A Yes 3 55-160 G Ethylatrylate EAC 7 O D III A Yes 1 55-160 G Ethylaterylamine ECC 7 O D III A Yes 1 55-160	Dimethylethanolamine	DMB	8	0	D	Ш	А	Yes	1	.56-1(b), (c)	G
Di-n-propylamine DNA 7 O C II A Yes 3 55-1(c) 6 Dodecyldimethylamine, Tetradecyldimethylamine, Tetradecyldimethylamine DOT 7 O E III A No N/A No O G EE Glycol Edes EG 40 O D III A No N/A No G G Ethylacrylate EAC 14 O C III A Yes 1 55-1(b) G G NeEthylocylamine ECC 7 O D III A Yes 1 35-1(b) G Ethylene dycol hexylamine ECC 7 O D IIII	Dimethylformamide	DMF	10	0	D	Ш	А	Yes	1	.55-1(e)	G
Dodecyldimethylamine, Tetradecyldimethylamine mixture DOT 7 O E III A No N/A 58-1(b) 6 Dodecyl diphenyl ether disulfonate solution DOS 43 O # II A No N/A No N/A No O G Et digvol Ether Mixture EEG 40 O D III A No N/A No O G Ethanolamine MEA 8 O E IIII A Yes 1 45-1(0) G Ethylarylate EAC 14 O C III A Yes 3 55-1(b) G Ethylarylate EBA 7 O D III A Yes 3 55-1(b) G Ethylarylate ECC 7 O D III A Yes 1 55-1(b) G G E E 1 A Yes 1	*	DNA	7	0	С	Ш	А	Yes	3	.55-1(c)	G
Dodecyl diphenyl ether disulfonate solution DOS 43 O # II A No N/A No G EEG Glycol Ether Mixture EEG 40 O D III A No N/A No G Ethanolamine MEA 8 O E III A Yes 1 .56-1(c) G Ethylarylate EAC 14 O C III A Yes 2 .50-70(a). 50-81(a). (b) G Ethylamine solution (72% or less) EAN 7 O A II A Yes 3 .55-1(b) G N-Ethyldpylamine ECC 7 O D III A Yes 1 .55-1(b) G N-Ethylopclohexylamine ECC 7 O D III A Yes 1 .55-1(b) G Ethylene dichloride EDC 36 ² O C IIII A Yes		DOT	7	0	Е	Ш	А	No	N/A	.56-1(b)	G
EE Glycol Ether Mixture EEG 40 0 D III A No N/A Ne G Ethanolamine MEA 8 0 E III A Yes 1 55-1(c) G Ethyl acrylate EAC 14 0 C III A Yes 2 50-70(a).50-81(a).(b) G Ethylannine solution (72% or less) EAN 7 O A II A Yes 6 55-1(b) G N-Ethylotylamine EBA 7 O D III A Yes 1 55-1(b) G Ethylene cyanohydrin ETC 20 O E III A Yes 1 55-1(c) G Ethylene dipcol hexylamine EDA 72 O D III A Yes 1 No G G Ethylene dipcol hexyl ether EGA 40 O E III A No		DOS	43	0	#	П	А	No	N/A	No	G
Ethanolamine MEA 8 0 E III A Yes 1 .55-1(c) G Ethyl acrylate EAC 14 0 C III A Yes 2 .50-70(a), .50-81(a), (b) G Ethylamine solution (72% or less) EAN 7 0 A II A Yes 3 .55-1(b) G N-Ethylbutylamine EBA 7 0 D III A Yes 3 .55-1(b) G N-Ethylbutylamine ECC 7 0 D III A Yes 1 .55-1(b) G Ethylene cyanohydrin ETC 20 0 E III A Yes 1 .55-1(c) G Ethylene dicholoide EDC 36 2 0 C III A Yes 1 No G Ethylene dicholoide EDC 36 2 0 C III A Yes 1 <t< td=""><td></td><td>EEG</td><td>40</td><td>0</td><td>D</td><td>Ш</td><td>А</td><td>No</td><td>N/A</td><td>No</td><td>G</td></t<>		EEG	40	0	D	Ш	А	No	N/A	No	G
Ethylamine solution (72% or less) EAN 7 O A II A Yes 6 .55-1(b) G N=Ethylamine solution (72% or less) EBA 7 O D III A Yes 6 .55-1(b) G N=Ethyloutylamine ECC 7 O D III A Yes 1 .55-1(b) G Ethylamine ECC 7 O D III A Yes 1 .55-1(b) G Ethylene cyanohydrin ETC 20 O E III A Yes 1 .55-1(c) G Ethylene dichloride EDC 36 ² O C III A Yes 1 .55-1(c) G Ethylene glycol hexyl ether EGH 40 O E III A No N/A No G Ethylene glycol popyl ether EGP 40 O E III A Yes 1 No G 2-Ethylhexyl acrylate EAI 14 O <	Ethanolamine	MEA	8	0	Е		А	Yes	1	.55-1(c)	G
Ethylamine solution (72% or less) EAN 7 0 A II A Yes 6 55-1(b) G N-Ethylbutylamine EBA 7 0 D III A Yes 3 55-1(b) G N-Ethylcyclohexylamine ECC 7 0 D III A Yes 1 55-1(b) G Ethylene cyanohydrin ETC 20 0 E III A Yes 1 55-1(c) G Ethylene dichloride EDA 7 0 D III A Yes 1 .55-1(c) G Ethylene dichloride EDC 36 2 0 C III A Yes 1 .55-1(c) G Ethylene dichloride EDC 36 0 C III A Yes 1 No G Ethylene diglocil nonoalkyl ether EGH 40 0 E IIII A Yes	Ethyl acrylate	EAC	14	0	С	Ш	А	Yes	2	.50-70(a), .50-81(a), (b)	G
N-EthylbutylamineEBA70DIIIAYes3.55-1(b)6N-EthylcyclohexylamineECC70DIIIAYes1.55-1(b)6Ethylene cyanohydrinETC200EIIIAYes1.55-1(b)6Ethylene diamineEDA7 20DIIIAYes1.55-1(c)6Ethylene dichlorideEDC36 20CIIIAYes1.55-1(c)6Ethylene glycol hexyl etherEGH400EIIIANoN/ANo6Ethylene glycol monoalkyl ethersEGC400D/EIIIAYes1No6Ethylene glycol propyl etherEGP400EIIIAYes1No62-Ethylhexyl acrylateEAI140EIIIAYes250-70(a), 50-81(a), (b)6Ethyl-3-propylacroleinEPA19 20EIIIAYes1 $35-1(h)$ 6Formaldehyde solution (37% to 50%)FMS19 20D/EIIIAYes1 $55-1(h)$ 6Glutaraldehyde solution (50% or less)GTA190NAIIIAYes1 $55-1(h)$ 6HexamethyleneimineHMI70CIIAYes1 $55-1(h)$ 6 <td></td> <td>EAN</td> <td>7</td> <td>0</td> <td>А</td> <td>Ш</td> <td>А</td> <td>Yes</td> <td>6</td> <td>.55-1(b)</td> <td>G</td>		EAN	7	0	А	Ш	А	Yes	6	.55-1(b)	G
N-EthylcyclohexylamineECC70DIIIAYes1.55-1(b)6Ethylene cyanohydrinETC200EIIIAYes1No6Ethylene diamineEDA7 20DIIIAYes1.55-1(c)6Ethylene diamineEDA7 20DIIIAYes1.55-1(c)6Ethylene dichlorideEDC36 20CIIIAYes1No6Ethylene glycol hexyl etherEGH400EIIIANoN/ANo6Ethylene glycol monoalkyl ethersEGC400D/EIIIAYes1No6Ethylene glycol propyl etherEGP400EIIIAYes1No62-Ethylhexyl acrylateEAI140EIIIAYes1No6Ethyl acrylateETM140D/EIIIAYes2.50-70(a). 50-81(a), (b)6Ethyl-3-propylacroleinEPA19 20EIIIAYes1No6FurfuralFFA190D/EIIIAYes1.55-1(h)6Glutaraldehyde solution (50% or less)GTA190NAIIIANoN/ANoGHexamethyleneimineHMI7		EBA	7	0	D	Ш	А	Yes	3	.55-1(b)	G
Ethylene cyanohydrinETC200EIIIAYes1NoGEthylenediamineEDA 7^2 0DIIIAYes1.55-1(c)GEthylene dichlorideEDC 36^2 0CIIIAYes1NoGEthylene glycol hexyl etherEGH400EIIIANoN/ANoGEthylene glycol monoalkyl ethersEGC400D/EIIIAYes1NoGEthylene glycol propyl etherEGP400EIIIAYes1NoGEthylene glycol propyl etherEGP400EIIIAYes1NoG2-Ethylhexyl acrylateEAI140EIIIAYes2.50-70(a). 50-81(a). (b)GEthyl methacrylateETM140D/EIIIAYes1NoG2-Ethyl-3-propylacroleinEPA19 20EIIIAYes1.55-1(h)GFurfuralFFA190D/EIIIAYes1.55-1(h)GGlutaraldehyde solution (50% or less)GTA190NAIIIAYes1.55-1(c)GHexamethyleneimineHMI70CIIAYes1.55-1(c)G	N-Ethylcyclohexylamine	ECC	7	0	D		А	Yes	1	.55-1(b)	G
LitylenediamineEDXTODIIIATestTForEthylene dichlorideEDC 36^2 OCIIIAYes1NoGEthylene glycol hexyl etherEGH40OEIIIANoN/ANoGEthylene glycol monoalkyl ethersEGC40OD/EIIIAYes1NoGEthylene glycol propyl etherEGP40OEIIIAYes1NoG2-Ethylhexyl acrylateEAI14OEIIIAYes2.50-70(a). 50-81(a). (b)GEthyl methacrylateETM14OD/EIIIAYes2.50-70(a)G2-Ethyl-3-propylacroleinEPA19 2OEIIIAYes1NoGFormaldehyde solution (37% to 50%)FMS19 2OD/EIIIAYes1.55-1(h)GGlutaraldehyde solution (50% or less)GTA19ONAIIIANoN/ANoGHexamethylenediamineHMI7OCIIAYes1.56-1(b). (c)G		ETC	20	0	Е		А	Yes	1	No	G
Littlete diductedLocdoCIANoN/ANoGEthylene glycol hexyl etherEGH40OEIIIANoN/ANoGEthylene glycol monoalkyl ethersEGC40OD/EIIIAYes1NoGEthylene glycol propyl etherEGP40OEIIIAYes1NoG2-Ethylhexyl acrylateEAI14OEIIIAYes2.50-70(a)GEthyl methacrylateETM14OD/EIIIAYes1NoG2-Ethyl-3-propylacroleinEPA19.2OEIIIAYes1.55-1(h)GFormaldehyde solution (37% to 50%)FMS19.2OD/EIIIAYes1.55-1(h)GGlutaraldehyde solution (50% or less)GTA19ONAIIIANoN/ANoGHexamethylenediamine solutionHMC7OEIIIAYes1.55-1(c)GHexamethyleneimineHMI7OCIIAYes1.55-1(c)G	Ethylenediamine	EDA	7 ²	0	D		А	Yes	1	.55-1(c)	G
Ethylene glycol monoalkyl ethersEGC40OD/EIIIAYes1NoGEthylene glycol propyl etherEGP40OEIIIAYes1NoG2-Ethylhexyl acrylateEAI14OEIIIAYes2.50-70(a)50-81(a). (b)GEthyl methacrylateETM14OD/EIIIAYes2.50-70(a)50-81(a). (b)G2-Ethyl-3-propylacroleinEPA19 2OEIIIAYes1NoGFormaldehyde solution (37% to 50%)FMS19 2OD/EIIIAYes1.55-1(h)GGlutaraldehyde solution (50% or less)GTA19ONAIIIAYes1.55-1(c)GHexamethylenediamine solutionHMC7OEIIIAYes1.55-1(c)GHexamethyleneimineHMI7OCIIAYes1.56-1(b). (c)G	Ethylene dichloride	EDC	36 ²	0	С	Ш	А	Yes	1	No	G
Ethylene glycol monoalkyl ethersEGC40OD/EIIIAYes1NoGEthylene glycol propyl etherEGP40OEIIIAYes1NoG2-Ethylhexyl acrylateEAI14OEIIIAYes2.50-70(a)50-81(a). (b)GEthyl methacrylateETM14OD/EIIIAYes2.50-70(a)G2-Ethyl-3-propylacroleinEPA19 ²OEIIIAYes1NoGFormaldehyde solution (37% to 50%)FMS19 ²OD/EIIIAYes1.55-1(h)GGlutaraldehyde solution (50% or less)GTA19ODIIIAYes1.55-1(c)GHexamethylenediamine solutionHMC7OEIIIAYes1.55-1(c)GHexamethyleneimineHMI7OCIIAYes1.56-1(b). (c)G	Ethylene glycol hexyl ether	EGH	40	0	Е	Ш	А	No	N/A	No	G
Ethylene glycol propyl etherEGP40OEIIIAYes1NoG2-Ethylhexyl acrylateEAI14OEIIIAYes2.50-70(a)50-81(a). (b)GEthyl methacrylateETM14OD/EIIIAYes2.50-70(a).60-81(a). (b)G2-Ethyl-3-propylacroleinEPA19 2OEIIIAYes1NoGFormaldehyde solution (37% to 50%)FMS19 2OD/EIIIAYes1.55-1(h)GFurfuralFFA19ODIIIAYes1.55-1(h)GGlutaraldehyde solution (50% or less)GTA19ONAIIIANoN/ANoHexamethylenediamineHMI7OCIIAYes1.55-1(c)G		EGC	40	0	D/E	Ш	А	Yes	1	No	G
2-Ethylhexyl acrylate EAI 14 O E III A Yes 2 .50-70(a) .50-81(a), (b) G Ethyl methacrylate ETM 14 O D/E III A Yes 2 .50-70(a) G 2-Ethyl-3-propylacrolein EPA 19 2 O E III A Yes 1 No G Formaldehyde solution (37% to 50%) FMS 19 2 O D/E III A Yes 1 .55-1(h) G Furfural FFA 19 O D III A Yes 1 .55-1(h) G Glutaraldehyde solution (50% or less) GTA 19 O NA III A Yes 1 .55-1(c) G Hexamethylenediamine solution HMC 7 O E III A Yes 1 .55-1(c) G		EGP	40	0	Е	Ш	А	Yes	1	No	G
Ethyl methacrylateETM14OD/EIIIAYes2.50-70(a)G2-Ethyl-3-propylacroleinEPA 19^2 OEIIIAYes1NoGFormaldehyde solution (37% to 50%)FMS 19^2 OD/EIIIAYes1.55-1(h)GFurfuralFFA19ODIIIAYes1.55-1(h)GGlutaraldehyde solution (50% or less)GTA19ONAIIIANoN/ANoGHexamethylenediamine solutionHMC7OEIIIAYes1.55-1(c)GHexamethyleneimineHMI7OCIIAYes1.56-1(b).(c)G		EAI	14	0		Ш	А	Yes	2	.50-70(a), .50-81(a), (b)	G
2-Ethyl-3-propylacroleinEPA19 2 OEIIIAYes1NoGFormaldehyde solution (37% to 50%)FMS19 2 OD/EIIIAYes1.55-1(h)GFurfuralFFA19ODIIIAYes1.55-1(h)GGlutaraldehyde solution (50% or less)GTA19ONAIIIANoN/ANoGHexamethylenediamine solutionHMC7OEIIIAYes1.55-1(c)GHexamethyleneimineHMI7OCIIAYes1.56-1(b).(c)G		ETM	14	0	D/E	Ш		Yes	2	.50-70(a)	G
Formaldehyde solution (37% to 50%) FMS 19 2 O D/E III A Yes 1 .55-1(h) G Furfural FFA 19 O D III A Yes 1 .55-1(h) G Glutaraldehyde solution (50% or less) GTA 19 O NA III A No N/A No G Hexamethylenediamine solution HMC 7 O E III A Yes 1 .55-1(c) G Hexamethyleneimine HMI 7 O C II A Yes 1 .56-1(b).(c) G		EPA	19 ²	0	Е		А	Yes	1	No	G
Furfural FFA 19 O D III A Yes 1 .55-1(h) G Glutaraldehyde solution (50% or less) GTA 19 O NA III A No N/A No G Hexamethylenediamine solution HMC 7 O E III A Yes 1 .55-1(c) G Hexamethyleneimine HMI 7 O C II A Yes 1 .56-1(b), (c) G			19 ²	0				Yes		.55-1(h)	G
Glutaraldehyde solution (50% or less) GTA 19 O NA III A No N/A No G Hexamethylenediamine solution HMC 7 O E III A Yes 1 .55-1(c) G Hexamethyleneimine HMI 7 O C II A Yes 1 .56-1(b), (c) G	· · · · · ·									.55-1(h)	G
Hexamethylenediamine solution HMC 7 O E III A Yes 1 .55-1(c) G Hexamethyleneimine HMI 7 O C II A Yes 1 .56-1(b), (c) G										No	G
Hexamethyleneimine HMI 7 O C II A Yes 1 .56-1(b), (c) G											G
	· · · · · ·									.56-1(b), (c)	G
	Hydrocarbon 5-9	HFN		0	C	III	A	Yes	1	.50-70(a), .50-81(a), (b)	G



Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 10272 Official #: 1249474

Page 3 of 8

Shipyard: Trinity Caruthersville Hull #: 5997-8

NameDemoSameSameProveResoProveProv	Cargo Identification							(Condit	ions of Carriage	
Impair Instruction Instruction <t< th=""><th>Name</th><th></th><th></th><th></th><th>Grade</th><th></th><th></th><th>App'd</th><th>VCS</th><th></th><th></th></t<>	Name				Grade			App'd	VCS		
Dependence Dev Dev Dev Dev No No NA A No NA Source Dev Dev <thdev< th=""> <thdev< t<="" td=""><td>Isoprene</td><td>IPR</td><td>30</td><td>0</td><td>А</td><td> </td><td>А</td><td>Yes</td><td>7</td><td>.50-70(a), .50-81(a), (b)</td><td>G</td></thdev<></thdev<>	Isoprene	IPR	30	0	А		А	Yes	7	.50-70(a), .50-81(a), (b)	G
Circuit, No. Methyl acrylate MGA 14 O C III A Yes 1 No. 0 Methyl acrylate MGA 14 O C III A Yes 1 Mohd 0 Methyl acrylate MGA 14 O C III A Yes 1 Mohd 0 2.Methyl acrylate MMR 14 O C III A Yes 1 Zehtyl, Sehtyl,		IPN		0	В	Ш	А	No	N/A	.50-70(a), .55-1(c)	G
Meshy oxide MSO 18 2 D D III A Yes 1 Num 0 Methy lacrybate MAM 14 O C III A Yes 1 Sk-10k-(h) G Methy defension MEP 8 O E III A Yes 1 Sk-10k-(h) G Methy defension MEP 9 O E III A Yes 1 Sk-10k-(h) G Methy defension MEP 9 O D III A Yes 3 Sk-10k-(h) G Adhty Set Synphic MMR MMR 2 O D III A Yes 1 Sk-10k-(h) G A Maphy defension MP 2 O D III A Yes 1 Sk-10k-(h) G A A No NA Sk-10k-(h) G A A No NA Sk-10k-(Kraft pulping liquors (free alkali content 3% or more)(including: Black,	KPL	5	0	NA	111	А	No	N/A	.50-73, .56-1(a), (c), (g)	G
markey lacylate MAM fit G C III A Yes 2 5x700, 5x84(q), (h) G Methyl cyclapentallene dimer MCK 30 C IIII A Yes 1 Methyl cyclapentallene dimer G Methyl cyclapentallene dimer MCK 30 C IIII A Yes 1 Shino, 5x84(q), (h) G Z-Methyl-Sethylpylidine MME MER 9 O E III A Yes 1 Shino, 5x84(q), (h) G alpha-Methylsysne MMR 9 O D III A Yes 2 Shino, (h) G Nghthaltere (moter) MTM 82 O C III A Nes 1 Shino, (h) G 1- or 2-Nitropropane NPM 42 O D II A No NA Shino, (h) G 1- or 2-Nitropropane PRM 14 O E III A	Green, or White liquor)										
Interly for June Interly	Mesityl oxide			-		III	А				
Methy distranciamine MDE 8 O E III A Yes 1 46-161 6 2-Methy/-5-enty/pyridine MMP 4 O C III A Yes 1 46-161 6 2-Methy/pyridine MRR 9 O D III A Yes 2 46-704, 56-704, 60-704, 60-704, 60 0 2-Methy/pyridine MRR 9 O D III A Yes 2 46-704, 66-704, 60-70	Methyl acrylate			-		III	А				
2-Methyl-S-ethylpyridine MEP 9 O E III A Yes 1 56-16 0 Methyl mathacrylate MMM II O C III A Yes 3 55-16 0 0 0 0 III A Yes 3 55-16 0	Methylcyclopentadiene dimer	MCK	30	0		III	Α	Yes	1		
Intervision Inc.	Methyl diethanolamine			-				Yes			
International and the second	2-Methyl-5-ethylpyridine	MEP	9	0	Е	III	Α	Yes	1		
appla-Methylstyrene MSR 30 O D III A Yes 2 577001, 691(6), 691 6 Morpholine MPL 7 O D III A Yes 1 5671(6) 6 Morpholine MPL 42 O D III A Yes 1 5671(6) 6 Introduction NTE 42 O D III A No NX 2031, 367(6) 6 1: of 2:Nitropropane PPM 42 O D III A Yes 1 507(6) 6 1: of 2:Nitropropane PPE 30 O A III A Yes 1 557(6) 0 1: of 2:Nitropropane PPE 36 O E III A Yes 1 557(6) 0 1: of 2:Nitropropane PPE 7 O A II A Yes 1 557(6) 0	Methyl methacrylate	MMN	1 14	0	С	III	Α	Yes		.50-70(a), .50-81(a), (b)	
International structure International	2-Methylpyridine	MPR	9	0	D	III	Α	Yes	3	.55-1(c)	
Into particularie International Inte	alpha-Methylstyrene	MSR	30	0	D	III	А	Yes	2	.50-70(a), .50-81(a), (b)	
Trap. Material (Model) The A2 O D III A NO NA 49-41, 46-1(b) G 1-or 2-Nitropropane NPM 42 O D III A No NA 49-41, 46-1(b) G 1-3-Pentadiene PDE 30 O A III A Yes 1 50-41 G 1-3-Pentadiene PDE 36 O NA III A Yes 1 50-41 G Percharoathylene PER 36 O NA III A Yes 1 55-160 G Iso-Propanolamine MPA 8 O E III A Yes 1 55-160 G Soluma acetate, Glycol, Water mixture (3% or more Sodum SAP O III A No NA 55-160 G Sodum mixture solution (20% or less) SAU 5 O NA III A No NA 55-1	Morpholine	MPL	7 ²	0	D	III	А	Yes	1	.55-1(c)	
Introduction International Internaternation Internation Internat	Naphthalene (molten)	NTM	32	0	С	III	А	Yes	1	No	
Total Print Displant The Target PDE So D A III A Yes T Solution 1.3-Pentationen PDE So O A III A Yes T Solution 6 Perchloroethylene PER S6 O NA III A Yes 1 No 6 Phthalic anhydride (motten) PAN 11 O E III A Yes 1 Solution 6 Bo-Propanolamine (so-n-) PAX 8 O E III A Yes 1 Solution 6 Propanolamine (so-n-) PAX 8 O E III A Yes 1 Solution 6 Sodurin colutarie solution (45% or less) SAU 5 O NA III A No N/A 5073. 5c-1(0) 6 Sodurn solutions (45% or less) SDD 0 12 O NA III A	Nitroethane	NTE	42	0	D	Ш	А	No	N/A	.50-81, .56-1(b)	G
International of the second	1- or 2-Nitropropane	NPM	42	0	D	III	А	Yes	1	.50-81	
Tarkan Construction Tarka Soc O NA NA NA Vers 1 No Construction Polyethylene polyamines PEB 72 O E III A Yes 1 55-160 6 iso-Propanolamine MPA 8 O E III A Yes 1 55-160 6 iso-Propanolamine IPP PX O A II A Yes 1 55-160 6 Pyridine IPP 7 O A II A Yes 5 55-160 6 Sodium atuminate solution (45% or less) SAU 5 O NA III A No N/A 40-73, 55-100 6 Sodium atuminate solution (45% or less) SDD 0 ¹² O NA III A No N/A 40-73, 55-100 6 Sodium sulfide, hydrosulfide solution (H2S greater than 15 pm tor less) SSH 0 ¹² O NA	1,3-Pentadiene	PDE	30	0	А	III	А	Yes	7	.50-70(a), .50-81	G
Triterio and your barry FIRE FI	Perchloroethylene	PER	36	0	NA	III	А	No	N/A	No	G
Toty end polyamines The bolyamines Th	Phthalic anhydride (molten)	PAN	11	0	Е	III	А	Yes	1	No	G
Inc. Tropandomining Int. Y So C I Int. A Yess 1 S6-100 G Iso-Propandamine IPP 7 O A II A Yess 1 56-100 0 Pyrdine PRD 9 O C III A Yess 1 55-160 0 Sodium actes Glycol, Water mixture (3% or more Sodium SAP O III A No N/A 50-73, 55-100 0 Sodium aluminate solution (45% or less) SAU 5 O NA III A No N/A 50-73, 55-100 0 Sodium sulfide, hydrosulfide solution (60% or less) SHQ 5 O NA III A No N/A 50-73, 55-100 6 Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm) SSJ 0-12 O NA III A No N/A 50-73, 55-100 6 Styrene (crude) STX O D IIII<	Polyethylene polyamines	PEB	7 ²	0	Е	III	А	Yes	1	.55-1(e)	
Trobustinitie (so, tr) Trok C C L III A Yes 5 5-10 6 Bis-Propylamine PRD 9 0 C III A Yes 5 55-10 6 6 Pyridine PRD 9 0 C III A Yes 5 55-10 6 6 Sodium actates (allycol, Water mixture (3% or more Sodium Hydroxido) SAP 0 NA III A No N/A 50-73.55-10 6 6 Sodium autiminate solution (45% or less) SDD 0 1.2 0 NA III A No N/A 50-73.55-10 6 6 Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm) SSI 0 1.2 0 NA III A No N/A 50-73.55-16 6 6 Styrene (crude) STX 0 D III A Yes 1 50-70.55-16 6 6 <td< td=""><td>iso-Propanolamine</td><td>MPA</td><td>8</td><td>0</td><td>Е</td><td>III</td><td>А</td><td>Yes</td><td>1</td><td>.55-1(c)</td><td>G</td></td<>	iso-Propanolamine	MPA	8	0	Е	III	А	Yes	1	.55-1(c)	G
The hypertunities PRD 9 O C III A Yes 1 .45-1(a) 6 Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide) SAP O III A No N/A .50-7355-1(a) 6 Sodium action (45% or less) SAU 5 O NA III A No N/A .50-7355-1(a) 6 Sodium chlorate solution (25% or less) SDD 0 1.2 O NA III A No N/A .50-7355-1(a) .60 Sodium solitide solution (20% or less) SDD 0 1.2 O NA III A No N/A .50-7355-1(a) .60 Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm) SSI 0 1.2 O NA III A No N/A .50-7355-1(b) .60 Styrene (crude) STX O D III A No N/A .50-7355-1(b) .60 <	Propanolamine (iso-, n-)	PAX	8	0	Е	III	А	Yes	1	.56-1(b), (c)	G
Trinking The T <tht< td=""><td>iso-Propylamine</td><td>IPP</td><td>7</td><td>0</td><td>А</td><td>Ш</td><td>А</td><td>Yes</td><td>5</td><td>.55-1(c)</td><td>G</td></tht<>	iso-Propylamine	IPP	7	0	А	Ш	А	Yes	5	.55-1(c)	G
Docksing accesses, Gycon, Water mixture (2.4 of high 2 bodding Drift Drift <thdrift< th=""> Drift Drift</thdrift<>	Pyridine	PRD	9	0	С	III	А	Yes	1	.55-1(e)	G
Continue autimate solution (40.0 mess) Cold Cold <thcold< th=""> Cold Cold</thcold<>		SAP		0		III	A	No	N/A	.50-73, .55-1(j)	G
Sodium hypochlorities olution (20% or less) SHQ 5 0 NA III A No N/A 50-73.56-1(a). (b) 6 Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less) SSH 0.12 0 NA III A No N/A 50-73.55-1(b) 6 Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm) SSI 0.12 0 NA III A No N/A 50-73.55-1(b) 6 Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm) SSJ 0.12 0 NA III A No N/A 50-73.55-1(b) 6 Styrene (crude) STX 0 D III A Yes 2 No 6 Styrene (crude) STY 30 O D III A Yes 2 50-70(a).50-81(a).(b) 6 1,1,2,2-Tetrachloroethane TEC 36 O NA III A No N/A No So-70(a).50-81(a).(b).(o).(g) 6	Sodium aluminate solution (45% or less)	SAU	5	0	NA	III	А	No	N/A	.50-73, .56-1(a), (b), (c)	G
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less) SFM 0 NM III A Yes 1 50-73, 55-1(b) 6 Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm) SSI 0 ^{1,2} 0 NA III A No N/A 50-73, 55-1(b) 6 Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm) SSJ 0 ^{1,2} 0 NA III A No N/A 50-73, 55-1(b) 6 Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm) SSJ 0 ^{1,2} 0 NA III A No N/A 50-73, 55-1(b) 6 Styrene (crude) STX 0 D III A Yes 2 No 6 Styrene monomer TEC 36 0 DA III A Yes 1 55-1(c) 6 Tetraethylenepentamine TTP 7 0 E III A Yes 1 50-70(b) 6 1,1,2,2-Trichloro	Sodium chlorate solution (50% or less)	SDD	0 1,2	0	NA	III	Α	No	N/A	.50-73	G
Operating during integrating of the prime in cost of prime in cost o	Sodium hypochlorite solution (20% or less)	SHQ	5	0	NA	III	А	No	N/A	.50-73, .56-1(a), (b)	G
Boold in solide, hydrosulfice solution (H2S greater than 75 ppin but less than 200 ppm) SSJ 0 1.2 0 NA III A No N/A 50-73, 55-1(b) G Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm) STX O D III A Yes 2 No G Styrene (crude) STX O D III A Yes 2 No G Styrene monomer STY 30 O D III A Yes 2 50-70(a). 50-81(a), (b) G 1,1,2,2-Tetrachloroethane TEC 36 O NA III A Yes 1 55-1(c) G 1,1,2,2-Tetrachloroethane THF 41 O C III A Yes 1 55-70(b) G Tetrachtylenepentamine TDA 9 O E III A Yes 1 50-73, 56-1(a) 6 Toluenediamine TDA 9 O E	Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 1,2	0	NA	III	А	Yes	1	.50-73, .55-1(b)	G
Styrene (crude)STXODIIIAYes2 $50 - 70(a)$, $50 - 81(a)$, (b) GStyrene (orude)STXODIIIAYes2 $50 - 70(a)$, $50 - 81(a)$, (b) GStyrene monomerSTY30ODIIIAYes2 $50 - 70(a)$, $50 - 81(a)$, (b) G1,1,2,2-TetrachloroethaneTEC36ONAIIIANoN/ANoTetraethylenepentamineTTP7OEIIIAYes1 $50 - 70(b)$ GTetraethylenepentamineTDA9OEIIIAYes1 $50 - 70(b)$ GToluenediamineTDA9OEIIIANoN/A $50 - 73, 56 - 1(a)$, $(b), (c), (g)$ G1,2,4-TrichlorobenzeneTCB36OEIIIAYes1 $50 - 73, 56 - 1(a)$ G1,1,2-TrichloroethaneTCM36ONAIIIAYes1 $50 - 73, 56 - 1(a)$ G1,2,3-TrichloroppopaneTCN36OEIIAYes1 $50 - 73, 56 - 1(a)$ GTriethylenetetramineTEA $8 - 2$ OEIIIAYes1 $50 - 73, 56 - 1(a)$ GTriethylenetetramineTEN7OCIIAYes1 $50 - 73, 56 - 1(a)$ GTriethylenetetramineTEN7OCII </td <td></td> <td>SSI</td> <td>0 1,2</td> <td>0</td> <td>NA</td> <td>III</td> <td>A</td> <td>No</td> <td>N/A</td> <td>.50-73, .55-1(b)</td> <td>G</td>		SSI	0 1,2	0	NA	III	A	No	N/A	.50-73, .55-1(b)	G
Styrene monomer STX 30 O D III A Yes 2 50-70(a), 50-81(a), (b) G 1,1,2,2-Tetrachloroethane TEC 36 O NA III A Yes 2 50-70(a), 50-81(a), (b) G 1,1,2,2-Tetrachloroethane TEC 36 O NA III A No N/A No G Tetraethylenepentamine TTP 7 O E III A Yes 1 55-1(c) G Tetraethylenepentamine THF 41 O C III A Yes 1 50-70(b) G Toluenediamine TDA 9 O E III A No N/A 50-73, 56-1(a), (b), (c), (g) G 1,2,4-Trichloroethane TCB 36 O E III A Yes 1 No G 1,2,3-Trichloropethane TCL 36 O E II A	Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1,2	0	NA	П	А	No	N/A	.50-73, .55-1(b)	G
Stylete Hubble TEC 36 0 b III A Tes 1 A Tes 1 1,1,2,2-Tetrachloroethane TEC 36 O NA III A No N/A No N/A No G Tetraethylenepentamine TTP 7 O E III A Yes 1 -55-1(c) G Tetraethylenepentamine THF 41 O C III A Yes 1 -50-70(b) G Toluenediamine TDA 9 O E II A No N/A 50-73, 56-1(a), (b), (c), (g) G 1,2,4-Trichlorobenzene TCB 36 O E III A Yes 1 -50-73, 56-1(a), (b), (c), (g) G 1,1,2-Trichloroethane TCL 36 O NA III A Yes 1 -50-73, 56-1(a) G 1,2,3-Trichloroptopane TCL 36 O E II A Yes 3 -50-73, 56-1(a) G	Styrene (crude)	STX		0	D	III	А	Yes	2	No	G
Tetra ethylenepentamineTEO36ON/KIIIAYes1 $55-1(c)$ 6Tetra ethylenepentamineTHF41OCIIIAYes1 $50-70(b)$ 6ToluenediamineTDA9OEIIANoN/A $50-73, 56-1(a), (b), (c), (g)$ 61,2,4-TrichlorobenzeneTCB36OEIIIAYes1 $50-73, 56-1(a), (b), (c), (g)$ 61,1,2-TrichloroethaneTCM36OEIIIAYes1 $50-73, 56-1(a)$ 61,2,3-TrichloroptypeneTCL36 2ONAIIIAYes1 $50-73, 56-1(a)$ 61,2,3-TrichloroptypeneTCL36 2ONAIIIAYes1 $50-73, 56-1(a)$ 61,2,3-TrichloroptypeneTCN36OEIIAYes1 $50-73, 56-1(a)$ 61,2,3-TrichloroptypeneTCN36OEIIAYes1 $50-73, 56-1(a)$ 61,2,3-TrichloroptypeneTCN36OEIIAYes1 $50-73, 56-1(a)$ 61,2,3-TrichloroptypeneTCN36OEIIAYes1 $50-73, 56-1(a)$ 61,2,3-TrichloroptypeneTEA8.2OEIIIAYes1 $55-1(b)$ 61,2,3-TrichloroptypeneTEN7OCII <td>Styrene monomer</td> <td>STY</td> <td>30</td> <td>0</td> <td>D</td> <td>III</td> <td>А</td> <td>Yes</td> <td>2</td> <td>.50-70(a), .50-81(a), (b)</td> <td>G</td>	Styrene monomer	STY	30	0	D	III	А	Yes	2	.50-70(a), .50-81(a), (b)	G
Tetrahydrofuran THF 41 O C III A Yes 1 .50-70(b) G Toluenediamine TDA 9 O E III A No N/A .50-70(b) G Toluenediamine TDA 9 O E II A No N/A .50-73, .56-1(a), (b), (c), (g) G 1,2,4-Trichlorobenzene TCB 36 O E III A Yes 1 No G 1,1,2-Trichloroethane TCM 36 O NA III A Yes 1 .50-73, .56-1(a) G Trichloroethylene TCL 36 O NA III A Yes 1 .50-73, .56-1(a) G 1,2,3-Trichloropropane TCL 36 O E III A Yes 1 .50-73, .56-1(a) G Triethanolamine TEA 8.2 O E III A Yes 3 .55-1(b) G Triethylenetetramine TEN 7 O	1,1,2,2-Tetrachloroethane	TEC	36	0	NA	III	Α	No	N/A	No	G
Total yaloidati The	Tetraethylenepentamine	TTP	7	0	Е	III	А	Yes	1	.55-1(c)	G
1,2,4-Trichlorobenzene TCB 36 O E III A Yes 1 No G 1,1,2-Trichlorobenzene TCB 36 O NA III A Yes 1 .50-73, .56-1(a) G 1,1,2-Trichlorobenzene TCL 36 O NA III A Yes 1 .50-73, .56-1(a) G Trichlorobylene TCL 36 O NA III A Yes 1 .50-73, .56-1(a) G 1,2,3-Trichloropropane TCN 36 O E II A Yes 3 .50-73, .56-1(a) G Triethanolamine TEA 8 ² O E III A Yes 3 .50-73, .56-1(a) G Triethylamine TEA 8 ² O E III A Yes 3 .55-1(b) G Triethylamine TEN 7 O C II A Yes 1 .55-1(b) G Triphenylborane (10% or less), caustic soda solution TPB	Tetrahydrofuran	THF	41	0	С	III	А	Yes	1	.50-70(b)	G
1,2,4 Histobolization Tob Go D D H H Hos H 1,1,2-Trichloroethane TCM 36 O NA III A Yes 1 .50-73, .56-1(a) G Trichloroethylene TCL 36 O NA III A Yes 1 No G 1,2,3-Trichloropropane TCN 36 O E II A Yes 3 .50-73, .56-1(a) G 1,2,3-Trichloropropane TCN 36 O E II A Yes 3 .50-73, .56-1(a) G Triethanolamine TEA 8 ² O E III A Yes 1 .55-1(b) G Triethylamine TEN 7 O C II A Yes 3 .55-1(b) G Triethylenetetramine TET 7 ² O E III A Yes 1 .55-1(b) G Triphenylborane (10% or less), caustic soda solution TPB 5 O NA	Toluenediamine	TDA	9	0	Е	П	А	No	N/A	.50-73, .56-1(a), (b), (c), (g)	G
Trichlorodentalite TCL 36 ° O NA III A Yes 1 No G Trichlorodentalite TCL 36 ° O NA III A Yes 1 No G 1,2,3-Trichloropropane TCN 36 O E II A Yes 3 .50-73, .56-1(a) G Triethanolamine TEA 8 ² O E III A Yes 1 .55-1(b) G Triethylamine TEN 7 O C II A Yes 3 .55-1(b) G Triethylenetetramine TET 7? O C II A Yes 1 .55-1(b) G Triphenylborane (10% or less), caustic soda solution TPB 5 O NA III A No N/A .56-1(a), (b), (c) G Trisodium phosphate solution TSP 5 O NA III A No N/A .50-73, .56-1(a), (c). G	1,2,4-Trichlorobenzene	TCB	36	0	Е	III	А	Yes	1	No	G
Industrie Ide	1,1,2-Trichloroethane	TCM	36	0	NA	III	А	Yes	1	.50-73, .56-1(a)	G
TriethanolamineTEA8 2OEIIIAYes1.55-1(b)GTriethylamineTEN7OCIIAYes3.55-1(e)GTriethylenetetramineTET7 2OEIIIAYes1.55-1(b)GTriphenylborane (10% or less), caustic soda solutionTPB5ONAIIIANoN/A.56-1(a), (b), (c)GTrisodium phosphate solutionTSP5ONAIIIANoN/A.50-73, .56-1(a), (c).G	Trichloroethylene	TCL	36 ²	0	NA	III	А	Yes	1	No	G
TriethylamineTEN7OCIIAYes3.55-1(e)GTriethylamineTEN7OCIIAYes3.55-1(e)GTriethylenetetramineTET7 2OEIIIAYes1.55-1(b)GTriphenylborane (10% or less), caustic soda solutionTPB5ONAIIIANoN/A.56-1(a), (b), (c)GTrisodium phosphate solutionTSP5ONAIIIANoN/A.50-73, .56-1(a), (c).G	1,2,3-Trichloropropane	TCN	36	0	Е	П	А	Yes	3	.50-73, .56-1(a)	G
Trieduyatime TEN 7 0 E III A Yes 1 .55-1(b) G Triphenylborane (10% or less), caustic soda solution TPB 5 O NA III A No N/A .56-1(a), (b), (c) G Trisodium phosphate solution TSP 5 O NA III A No N/A .50-73, .56-1(a), (c). G	Triethanolamine	TEA	8 ²	0	Е	III	А	Yes	1	.55-1(b)	G
Triphenylborane (10% or less), caustic soda solution TPB 5 O NA III A No N/A .56-1(a), (b), (c) G Trisodium phosphate solution TSP 5 O NA III A No N/A .56-1(a), (b), (c) G	Triethylamine	TEN	7	0	С	Ш	А	Yes	3	.55-1(e)	G
Trisodium phosphate solution TSP 5 O NA No N/A .50-73, .56-1(a), (c). G	Triethylenetetramine	TET	7 ²	0	Е	III	А	Yes	1	.55-1(b)	G
	Triphenylborane (10% or less), caustic soda solution	TPB	5	0	NA	III	А	No	N/A	.56-1(a), (b), (c)	G
Urea, Ammonium nitrate solution (containing more than 2% NH3) UAS 6 O NA III A No N/A .56-1(b) G	Trisodium phosphate solution	TSP	5	0	NA	III	А	No	N/A	.50-73, .56-1(a), (c).	G
	Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	0	NA	Ш	А	No	N/A	.56-1(b)	G



Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 10272 Official #: 1249474

Page 4 of 8

Shipyard: Trinity Caruthersville Hull #: 5997-8

Cargo Identification			Condi	tions of Carriage						
							Vapor F	Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	0	NA		А	No	N/A	.50-73, .56-1(a), (c), (g)	G
Vinyl acetate	VAM	13	0	С	111	А	Yes	2	.50-70(a), .50-81(a), (b)	G
Vinyl neodecanate	VND	13	0	Е	Ш	А	No	N/A	.50-70(a), .50-81(a), (b)	G
Vinyltoluene	VNT	13	0	D	III	А	Yes	2	.50-70(a), .50-81, .56-1(a), (b), (c), (G
Subchapter D Cargoes Authorized for Vapor Contro										
Acetone	ACT	18 ²	D	С		A	Yes	1		
Acetophenone	ACP	18	D	Е		А	Yes	1		
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	D	Е		А	Yes	1		
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	Е		А	Yes	1		
Amyl acetate (all isomers)	AEC	34	D	D		А	Yes	1		
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D		A	Yes	1		
Benzyl alcohol	BAL	21	D	E		A	Yes	1		
Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFX	20	D	E		A	Yes	1		
Butyl acetate (all isomers)	BAX	34	D	D		А	Yes	1		
Butyl alcohol (iso-)	IAL	20 ²	D	D		А	Yes	1		
Butyl alcohol (n-)	BAN	20 ²	D	D		Α	Yes	1		
Butyl alcohol (sec-)	BAS	20 ²	D	С		Α	Yes	1		
Butyl alcohol (tert-)	BAT		D	С		А	Yes	1		
Butyl benzyl phthalate	BPH	34	D	Е		А	Yes	1		
Butyl toluene	BUE	32	D	D		А	Yes	1		
Caprolactam solutions	CLS	22	D	Е		А	Yes	1		
Cyclohexane	CHX	31	D	С		А	Yes	1		
Cyclohexanol	CHN	20	D	Е		А	Yes	1		
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		А	Yes	2		
p-Cymene	CMP	32	D	D		А	Yes	1		
iso-Decaldehyde	IDA	19	D	Е		А	Yes	1		
n-Decaldehyde	DAL	19	D	Е		А	Yes	1		
Decene	DCE	30	D	D		А	Yes	1		
Decyl alcohol (all isomers)	DAX	20 ²	D	Е		А	Yes	1		
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	Е		А	Yes	1		
Diacetone alcohol	DAA	20 ²	D	D		А	Yes	1		
ortho-Dibutyl phthalate	DPA	34	D	Е		А	Yes	1		
Diethylbenzene	DEB	32	D	D		А	Yes	1		
Diethylene glycol	DEG	40 ²	D	Е		А	Yes	1		
Diisobutylene	DBL	30	D	С		А	Yes	1		
Diisobutyl ketone	DIK	18	D	D		А	Yes	1		
Diisopropylbenzene (all isomers)	DIX	32	D	Е		А	Yes	1		
Dimethyl phthalate	DTL	34	D	Е		А	Yes	1		
Dioctyl phthalate	DOP	34	D	Е		А	Yes	1		
Dipentene	DPN	30	D	D		А	Yes	1		
Diphenyl	DIL	32	D	D/E		А	Yes	1		
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		А	Yes	1		
Diphenyl ether	DPE	41	D	{E}		А	Yes	1		
Dipropylene glycol	DPG	40	D	E		А	Yes	1		
Distillates: Flashed feed stocks	DFF	33	D	Е		А	Yes	1		
Distillates: Straight run	DSR	33	D	Е		А	Yes	1		
										· · · · · · · · · · · · · · · · · · ·



Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 10272 Official #: 1249474

Page 5 of 8

Shipyard: Trinity Caruthersville Hull #: 5997-8

Cargo Identification						Conditions of Carriage					
								Recovery			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period	
Dodecene (all isomers)	DOZ	30	D	D		А	Yes	1			
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	Е		А	Yes	1			
2-Ethoxyethyl acetate	EEA	34	D	D		А	Yes	1			
Ethoxy triglycol (crude)	ETG	40	D	Е		А	Yes	1			
Ethyl acetate	ETA	34	D	С		А	Yes	1			
Ethyl acetoacetate	EAA	34	D	Е		А	Yes	1			
Ethyl alcohol	EAL	20 ²	D	С		А	Yes	1			
Ethylbenzene	ETB	32	D	С		А	Yes	1			
Ethyl butanol	EBT	20	D	D		А	Yes	1			
Ethyl tert-butyl ether	EBE	41	D	C		A	Yes	1			
Ethyl butyrate	EBR	34	D	D		A	Yes	1			
Ethyl cyclohexane	ECY	31	D	D		A	Yes	1			
Ethylene glycol	EGL	20 ²	D	E		A	Yes	1			
Ethylene glycol butyl ether acetate	EMA	34	D	E		A	Yes	1			
Ethylene glycol diacetate	EGY	34	D	E		A	Yes	1			
Ethylene glycol phenyl ether	EPE	40	D	E		A	Yes	1			
Ethyl-3-ethoxypropionate	EEP	34	D	D		A	Yes	1			
2-Ethylhexanol	EHX	20	D	E		A	Yes	1			
	EPR	34	D	C		A	Yes	1			
Ethyl propionate	ETE	32	D	D		A	Yes	1			
Ethyl toluene	FAM	10	D	E		A	Yes	1			
	FAL	20 ²	D	E		A	Yes	1		<u> </u>	
Furfuryl alcohol	GAK	33	D	A/C		A	Yes	1			
Gasoline blending stocks: Alkylates	GRF		D								
Gasoline blending stocks: Reformates		33	D	A/C C		A	Yes	1			
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33				A	Yes				
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	С		A	Yes	1			
Gasolines: Casinghead (natural)	GCS	33	D	A/C		А	Yes	1			
Gasolines: Polymer	GPL	33	D	A/C		А	Yes	1			
Gasolines: Straight run	GSR	33	D	A/C		А	Yes	1			
Glycerine	GCR	20 ²	D	Е		А	Yes	1			
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	С		А	Yes	1			
Heptanoic acid	HEP	4	D	Е		А	Yes	1			
Heptanol (all isomers)	HTX	20	D	D/E		А	Yes	1			
Heptene (all isomers)	HPX	30	D	С		А	Yes	2			
Heptyl acetate	HPE	34	D	Е		А	Yes	1			
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	D	B/C		А	Yes	1			
Hexanoic acid	HXO	4	D	Е		А	Yes	1			
Hexanol	HXN	20	D	D		А	Yes	1			
Hexene (all isomers)	HEX	30	D	С		А	Yes	2			
Hexylene glycol	HXG	20	D	Е		А	Yes	1			
Isophorone	IPH	18 ²	D	Е		А	Yes	1			
Jet fuel: JP-4	JPF	33	D	Е		А	Yes	1		<u> </u>	
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		А	Yes	1			
Kerosene	KRS	33	D	D		А	Yes	1			
Methyl acetate	MTT	34	D	D		А	Yes	1			
Methyl alcohol	MAL	20 ²	D	С		А	Yes	1			
Methylamyl acetate	MAC	34	D	D		А	Yes	1			
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Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 10272 Official #: 1249474

Page 6 of 8

Shipyard: Trinity Caruthersville Hull #: 5997-8

Cargo Identification						Conditions of Carriage					
								Recovery			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period	
Methylamyl alcohol	MAA	20	D	D		А	Yes	1			
Methyl amyl ketone	MAK	18	D	D		А	Yes	1			
Methyl tert-butyl ether	MBE	41 ²	D	С		А	Yes	1			
Methyl butyl ketone	MBK	18	D	С		А	Yes	1			
Methyl butyrate	MBU	34	D	С		А	Yes	1			
Methyl ethyl ketone	MEK	18 ²	D	С		А	Yes	1			
Methyl heptyl ketone	MHK	18	D	D		А	Yes	1			
Methyl isobutyl ketone	MIK	18 ²	D	С		А	Yes	1			
Methyl naphthalene (molten)	MNA	32	D	Е		А	Yes	1			
Mineral spirits	MNS	33	D	D		А	Yes	1			
Myrcene	MRE	30	D	D		А	Yes	1			
Naphtha: Heavy	NAG	33	D	#		А	Yes	1			
Naphtha: Petroleum	PTN	33	D	#		А	Yes	1			
Naphtha: Solvent	NSV	33	D	D		А	Yes	1			
Naphtha: Stoddard solvent	NSS	33	D	D		А	Yes	1			
Naphtha: Varnish makers and painters (75%)	NVM	33	D	С		А	Yes	1			
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		А	Yes	1			
Nonene (all isomers)	NON	30	D	D		А	Yes	2			
Nonyl alcohol (all isomers)	NNS	20 ²	D	Е		А	Yes	1			
Nonyl phenol	NNP	21	D	Е		А	Yes	1			
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	Е		А	Yes	1			
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	С		А	Yes	1			
Octanoic acid (all isomers)	OAY	4	D	Е		А	Yes	1			
Octanol (all isomers)	OCX	20 ²	D	Е		А	Yes	1			
Octene (all isomers)	OTX	30	D	С		А	Yes	2			
Oil, fuel: No. 2	OTW	33	D	D/E		А	Yes	1			
Oil, fuel: No. 2-D	OTD	33	D	D		А	Yes	1			
Oil, fuel: No. 4	OFR	33	D	D/E		А	Yes	1			
Oil, fuel: No. 5	OFV	33	D	D/E		А	Yes	1			
Oil, fuel: No. 6	OSX	33	D	Е		А	Yes	1			
Oil, misc: Crude	OIL	33	D	C/D		А	Yes	1			
Oil, misc: Diesel	ODS	33	D	D/E		А	Yes	1			
Oil, misc: Gas, high pour	OGP	33	D	Е		А	Yes	1			
Oil, misc: Lubricating	OLB	33	D	Е		А	Yes	1			
Oil, misc: Residual	ORL	33	D	Е		А	Yes	1			
Oil, misc: Turbine	OTB	33	D	Е		А	Yes	1			
Pentene (all isomers)	PTX	30	D	А		А	Yes	5			
n-Pentyl propionate	PPE	34	D	D		А	Yes	1			
alpha-Pinene	PIO	30	D	D		А	Yes	1			
beta-Pinene	PIP	30	D	D		А	Yes	1			
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	Е		А	Yes	1			
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAF	34	D	Е		А	Yes	1			
Polybutene	PLB	30	D	Е		А	Yes	1			
Polypropylene glycol	PGC	40	D	Е		А	Yes	1			
iso-Propyl acetate	IAC	34	D	С		А	Yes	1			
n-Propyl acetate	PAT	34	D	С		A	Yes	1			
iso-Propyl alcohol	IPA	20 ²	D	С		A	Yes	1			
n-Propyl alcohol	PAL	20 ²	D	C		A	Yes	1			
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Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 10272 Official #: 1249474

Page 7 of 8

Shipyard: Trinity Caruthersville Hull #: 5997-8

Cargo Identification							Conditions of Carriage					
	Chem	Compat	Sub		Hull	Tank	Vapor F App'd	Recovery VCS	Special Requirements in 46 CFR	Insp.		
Name	Code	Group No	Chapter	Grade	Туре	Group		Category		Period		
Propylbenzene (all isomers)	PBY	32	D	D		А	Yes	1				
iso-Propylcyclohexane	IPX	31	D	D		А	Yes	1				
Propylene glycol	PPG	20 ²	D	Е		А	Yes	1				
Propylene glycol methyl ether acetate	PGN	34	D	D		А	Yes	1				
Propylene tetramer	PTT	30	D	D		А	Yes	1				
Sulfolane	SFL	39	D	Е		А	Yes	1				
Tetraethylene glycol	TTG	40	D	Е		А	Yes	1				
Tetrahydronaphthalene	THN	32	D	Е		А	Yes	1				
Toluene	TOL	32	D	С		А	Yes	1				
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	Е		А	Yes	1				
Triethylbenzene	TEB	32	D	Е		А	Yes	1				
Triethylene glycol	TEG	40	D	Е		А	Yes	1				
Triethyl phosphate	TPS	34	D	Е		А	Yes	1				
Trimethylbenzene (all isomers)	TRE	32	D	{D}		А	Yes	1				
Trixylenyl phosphate	TRP	34	D	Е		А	Yes	1				
Undecene	UDC	30	D	D/E		А	Yes	1				
1-Undecyl alcohol	UND	20	D	Е		А	Yes	1				
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		А	Yes	1				



Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 10272 Official #: 1249474

Page 8 of 8

Shipyard: Trinity Caruther Hull #: 5997-8

Explanation of terms & symbols used in the Table:

Cargo Identification Name	The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2.
Chem Code none	The proper snipping name as insed in 40 CPK halo 30.251, 40 CPK halo 131.05, and 40 CPK Part 135 halo 2. The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual. Certain mixtures of cargoes may not have a CHRIS Code assigned.
Compatability 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,
Note 1	and appendices of 46 CFR 150 in conjunction with the assigned reactive group number. Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone
Note 2	(202) 372-1425. See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D Subchapter O	Those flammable and combustible liquids listed in 46 CFR Table 30.25-1. Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.
Note 3	Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges.
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 orade of cargo.
A, B, C	Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
D, E Note 4	Combustible liquid cargoes, as defined in 46 CFR 30-10.15. The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. 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.
NA #	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.
#	No naminability conductibility grade has been assigned yet, as the necessary hash pointwapor 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.
1	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). Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
	Designed to carry products of sufficient require agrine interactive to preclude the uncontinence releases of cargo. See 46 CFK 151.10-1(b)(3). Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFK 151.10-1(b)(4).
NA	Not applicable to barges certificated under Subchapter D.
Conditions of Carriage	
Tank Group	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
Conditions of Carriage	
Tank Group	The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo.
Vapor Recovery	
Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
VCS Category:	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety componenets and restricting vapor flow which could lead to cargo tank overpressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a material not normally considered a monomer can be a problem in detonation arrester.
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.
Category 6	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.
Category 7	(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.