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

Expiration Date: 22 Dec 2027

Certificate of Inspection

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

resset Name KIRBY 28054		Official Number	BNO Numb	er .	Catl Sign	Service Tank B	arge
Hailing Port WILMINGTON, DE		Hull Matenal	Horse	power	Propulsion		
UNITED STATES					Ĥ		
Place Built		Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length R-297 5
GALVESTON, TX			27Jun2007	R-1619	R-1619		10
UNITED STATES							
WART (IRBY INLAND MARIN 5 WAUGH DR STE 10 HOUSTON, TX 77007 JINITED STATES	E LP		1835 CHA	BY INLAND MARKET	V, TX 77530		
This was all must be me	nned with the f	ollowing license	ed and unlicense	d Personne	I. Included in w	hich there m	ust be
Certified Lifeboatmen	, 0 Certified 1a	nkermen, o HS	C Type Nating,	and C CIVID	ollers	10-11-11-11	al Colores
0 Masters	0 Licensed I		lef Engineers		Jilet's		
0 Chief Mates	0 First Class	A DECEMBER OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO	st Assistant Engine				
O Second Mates	0 Radio Offi		cond Assistant Eng				
0 Third Mates	0 Able Sean		rd Assistant Engine	ers	11.7		
0 Master First Class Pilot	0 Ordinary S		ensed Engineers				
0 Mate First Class Pilots	0 Deckhand	s 0 Qu	alified Member Eng	neer	is addition t	o orone and r	o Others Total
n addition, this vessel in Persons allowed: 0	пау сапу 0 Ра	ssengers, 0 Oth	ner Persons in ci	ew, 0 Perso	ons in addition t	o crew, and i	io Others, Total
Route Permitted AndLakes, Bays, a Also, in fair weathe Florida. This vessel has been vessel is operated i salt water intervals change in status occ ***SEE NEXT PAGE With this Inspection for	nd Sounds r only, not m granted a fr n salt water per 46 CFR 3 urs.	esh water ser more than 6 m 1.10-21(a)(1)	vice examinationths in any land the cogni	on interva 2 month pe zant OCMI	l per 46 CFR riod, the ves notified in w	31.10-21(a) sel must be writing as s	(2). If this inspected using oon as this
Inspection, Sector New	Orleans certifi s prescribed th	ed the vessel, i ereunder.	ii ali respects, is	ai comom	ity Will tho upp	licable vessel	Inspection laws
Annua	I/Periodic/Re-I				ate issued by: H. HART CON		y direction
Date Zoi						INVIANCIA	y oncodor.
	MCIO A	DAMUIT 6	Bridge	Officer in Charge,	Manue materia.		
10-20-2028 BTBLA. 7 9/24/24 RRla.	P	Style C	100	Inspection Zone	Sector	New Orleans	



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

Certification Date: 22 Dec 2022 22 Dec 2027 **Expiration Date:**

Certificate of Inspection

Vessel Name: KIRBY 28054

This tank barge is participating in the Eighth and Ninth Coast Guard District's Tank Barge Streamlined Inspection Program (TBSIP). Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCMI Sector Houston -Galveston.

---Hull Exams---

Exam Type

Next Exam

Last Exam

Prior Exam

DryDock

31Aug2027

21Dec2017

27Aug2007

Internal Structure

31Oct2027

15Dec2022

21Oct2017

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

Authorization:

FLAMMABLE/COMBUSTIBLE LIQUIDS AND SPECIFIED HAZARDOUS CARGOES

Total Capacity

Units

Highest Grade Type Part151 Regulated Part153 Regulated Part154 Regulated

28717

Barrels

Yes

No .

Density (lbs/gal)

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum
1 P/S	686	13.60
2 P/S	829	13.60
3 P/S	727	13.60

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II .	3902	10ft 3in	13.60	R, LBS
III	4272	11ft 0in	13.60	R, LBS

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial # C2-0702494, dated 13AUG2007, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

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

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

In accordance with 46 CFR 39, excluding part 39.40, this vessel's vapor control system (VCS) has been inspected to the plans approved by Marine Safety Center letters, Serial #C2-0600288, dated 06FEB06 and Serial #C1-0601788, dated 27JUL06, and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

Per 46 CFR 39.1017 and 39.5000(e), this vessel's VCS has been evaluated and approved for multi-breasted tandem loading with other vessels specifically approved to tandem load with this vessel.

Stability and Trim

^{*}Vapor Control Authorization*



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

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Certificate of Inspection

Vessel Name: KIRBY 28054

The maximum design density of cargo which may be filled to the tank top is 8.745 lbs/gal. Cargoes with higher densities, up to 13.60 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

--- Inspection Status ---

Cargo Tanks

	Internal Exam			External Exa	im	
Tank Id	Previous	Last	Next	Previous	Last	Next
1 P/S	27Aug2007	21Dec2017	31Aug2027	-	-	-
2 P/S	27Aug2007	21Dec2017	31Aug2027	-	-	-
3 P/S	27Aug2007	21Dec2017	31Aug2027		-	- "
5			Hydro Test			
Tank Id	Safety Valves	5	Previous	Last	Next	
1 P/S	-		-	-	-	
2 P/S	% =		-		-	
3 P/S	-		-	-	-	

--- 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

Serial #: C2-0702494

Dated:

13-Aug-07



Tanks in Group

A #1P/S, #2P/S, #3P/S

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28054 Official #: 1197992

Shipyard: West Gulf Marine

Hull #: 174

46 CFR 151 Tank Group Characteristics Tank Group Information

Cargo Identification Density Press. Temp.

Cargo Vent Class Cont

Environmental Handling

Special Requirements Protection Provided General

> 50-60...50-70(a) 50-70(b), .50-73,

Materials of

Elec

55-1(b), (c), (e), (f), (j), 56-1(a), (b), (c), (d), (e), (f), (g),

- 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

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage							
							Vapor Re	ecovery					
Name	Chem	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. Perio			
Authorized Subchapter O Cargoes										2			
Acetonitrile	ATN	37	0	C	111	А	Yes	3	No	G			
Acrylonitrile	ACN	15 ²	0	С	11	Α	Yes	4	.50-70(a), .55-1(e)	G			
Adiponitrile	ADN	37	0	E	11	А	Yes	1	No	G			
Alkyl(C7-C9) nitrates	AKN	34 2	0	NA	111	Α	No	N/A	.50-81, .50-86	G			
Aminoethylethanolamine	AEE	8	0	E	Ш	. A	Yes	1	.55-1(b)	G			
Ammonium bisulfite solution (70% or less)	ABX	43 2	0	NA	Ш	Α	No	N/A	.50-73, .56-1(a), (b), (c)	G			
Ammonium hydroxide (28% or less NH3)	AMH	6	0	NA	111	Α	No	N/A	.56-1(a), (b), (c), (f), (g)	G			
Anthracene oil (Coal tar fraction)	АНО	33	0	NA	11	А	No	N/A	No	G			
Benzene	BNZ	32	0	С	Ш	Α	Yes	1	.50-60	G			
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	внв	32 2	0	С	Ш	Α	Yes	1	.50-60	G			
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	ВНА	32 2	0	С	Ш	А	Yes	1	.50-60, .56-1(b), (d), (f), (g)	G			
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	0	B/C	111	A	Yes	1	.50-60	G			
Butyl acrylate (all isomers)	BAR	14	0	D	111	Α	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	111	А	Yes	1	.55-1(h)	G			
Camphor oil (light)	CPO	18	0	D	П	А	No	N/A	No	G			
Carbon tetrachloride	CBT	36	0	NA	111	А	No	N/A	No	G			
Caustic potash solution	CPS	5 2	0	NA	111	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	11.	А	No	N/A	.50-73	G			
Chlorobenzene	CRB	36	0	D	HI	Α	Yes	1	No	G			
Chloroform	CRF	36	0	NA	111	Α	Yes	3	No	G			
Coal tar naphtha solvent	NCT	33	0	D	111	А	Yes	1	.50-73	G			
Creosote	CCV	V 21 ²	0	Е	111	А	Yes	1	No	G			
Cresols (all isomers)	CRS	21	0	Е	111	Α	Yes	1	No	G			
Cresylate spent caustic	CSC	5	0	NA	111	Α	No	N/A	.50-73, .55-1(b)	G.			
Cresylic acid tar	CRX		0	Е	- 111	Α	Yes	1	.55-1(f)	G			
Crotonaldehyde	CTA	19 2	0	С	11	А	Yes	4	.55-1(h)	G			
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHO	3	0	С	111	Α	No	N/A	No	G			
Cyclohexanone	CCH	18	0	D	Ш	Α	Yes	1	.56-1(a), (b)	G			
Cyclohexanone, Cyclohexanol mixture	CYX	18 2	0	E	III	А	Yes	1	.56-1 (b)	G			
Cyclohexylamine	CHA	7	0	D	111	А	Yes	1	.56-1(a), (b), (c), (g)	G			
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	III	А	Yes	. 1	.50-60, .56-1(b)	G			
iso-Decyl acrylate	IAI	14	0	E	111	Α	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)	G			

Serial #:

22-0702494

1: 13-Aug-07



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28054
Official #: 1197992

Page 2 of 7

Shipyard: West Gulf Marine

Cargo Identification	1					Conditions of Carriage							
	T						Vapor R	ecovery					
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			
Dichlorobenzene (all isomers)	DBX	36	0	Е	111	Α	Yes	3	.56-1(a), (b)	G			
1,1-Dichloroethane	DCH	36	0	С	111	Α	Yes	1	No:	G			
2,2'-Dichloroethyl ether	DEE	41	0	D	11	Α	Yes	1	.55-1(f)	G			
Dichloromethane	DCM	36	0	NA	111	Α	No	N/A	No	G			
2.4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	Е	111	Α	No	N/A	.56-1(a), (b), (c), (g)	G			
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1.2	0	Α	111	Α	No	N/A	.56-1(a), (b), (c), (g)	G			
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 2	0	E	111	А	No	N/A	56-1(a), (b), (c), (g)	G			
1,1-Dichloropropane	DPB	36	0	C	111	А	Yes	3	No	G			
1,2-Dichloropropane	DPP	36	0	С	111	Α	Yes	3	No	G			
1,3-Dichloropropane	DPC	36	0	·C	111	Α	Yes	3	No	G			
1,3-Dichloropropene	DPU	15	0	D.	П	А	Yes	4	No	G			
Dichloropropene, Dichloropropane mixtures	DMX	15	0	С	11	Α	Yes	1	No	G			
Diethanolamine	DEA	8	0	E	111	Α	Yes	1	.55-1(c)	G			
Diethylamine	DEN	7	0	C	111	Α	Yes	3	.55-1(c)	G			
Diethylenetriamine	DET	7 2	0	E	111	A	Yes	1	.55-1(c)	G			
Diisobutylamine	DBU	7	0	D	111	Α	Yes	3	.55-1(c)	G			
Diisopropanolamine	DIP	8	0	E	III	Α	Yes	1	.55-1(c)	G			
Diisopropylamine	DIA	7	0	C	Ш	Α	Yes	3	.55-1(c)	G			
N,N-Dimethylacetamide	DAC	10	0	E	III	Α	Yes		.56-1(b)	G			
	DMB	(1/6)	0	D	111	Α	Yes		.56-1(b), (c)	G			
Dimethylethanolamine Dimethylformanido	DMF		0.	D	111	A	Yes		.55-1(e)	G			
Dimethylformamide Di a propulación	DNA		0	C	11	Α	Yes		.55-1(c)	G			
Di-n-propylamine Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	0	E	111	A	No	N/A	.56-1(b)	G			
	DOS		0	#	11	A	No	N/A		G			
Dodecyl diphenyl ether disulfonate solution	EEG		0	D	111	A	No	N/A		G			
EE Glycol Ether Mixture	MEA		0	E	111	A	Yes		.55-1(c)	G			
Ethanolamine	EAC	19190	0	C	III	A	Yes		.50-70(a), .50-81(a), (b)	G			
Ethyl acrylate	EAN		0	A	11	A	Yes		.55-1(b)	G			
Ethylamine solution (72% or less)	EBA	7	0	D	- 111	A	Yes		.55-1(b)	G			
N-Ethylbutylamine	ECC		0	D	III	A	Yes		.55-1(b)	G			
N-Ethylcyclohexylamine	ETC	20	0	E	III	A	Yes		No	G			
Ethylene cyanohydrin	EDA		0	D	111	A	Yes		.55-1(c)	G			
Ethylenediamine	0.000000		0	C	111	A	Yes		No	G			
Ethylene dichloride	EDC	0.5000	0	E	- 460	A	No	N/A		G			
Ethylene glycol hexyl ether	EGH		0	D/E	111	A	Yes		No	G			
Ethylene glycol monoalkyl ethers	EGC					670			No	G			
Ethylene glycol propyl ether	EGP	2,000	. 0	E	III	A	Yes		.50-70(a), .50-81(a), (b)	G			
2-Ethylhexyl acrylate	EAI	14	0	E D/F		A	Yes		.50-70(a)	G			
Ethyl methacrylate	ETN		0	D/E	111	A	Yes	1000	No	G			
2-Ethyl-3-propylacrolein	EPA		0	E	111	A	Yes		.55-1(h)	G			
Formaldehyde solution (37% to 50%)	FMS		0	D/E	111	A	Yes		.55-1(h)	G			
Furfural	FFA	2200	0	D	111	A	Yes			G			
Glutaraldehyde solution (50% or less)	GTA		0	NA	111	A	No	N/A	.55-1(c)	G			
Hexamethylenediamine solution	HMC		0	E	- 111	A	Yes		.56-1(b), (c)	G			
Hexamethyleneimine	HMI	7	0	С	-11	A	Yes		.50-7(a), .50-81(a), (b)	G			
Hydrocarbon 5-9	HFN	1000000	0	C	III	Α .	Yes			G			
Isoprene	IPR	30	0	A	- 111	A	No	N/A		G			
Isoprene, Pentadiene mixture	IPN		0	В	111	A	No	N/A		G			
Kraft pulping liquors (free alkali content 3% or more)(including: Black Green, or White liquor)			0	NA	III	Α .	No	N/A	5				
		102		D	111	Α.	Vac	1	No	G			
Mesityl oxide Methyl acrylate	MSC		0	С	. 111	A	Yes		.50-70(a), .50-81(a), (b)	G			



Serial #: C2-0702494 Dated: 13-Aug-07

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28054

Official #: 1197992

Page 3 of 7

Shipyard: West Gulf Marine

Cargo Identification	1				17.84	Conditions 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. Perio			
Methylcyclopentadiene dimer	MCK	30	0	С	III	Α	Yes	1	No	G			
Methyl diethanolamine	MDE	8	0	E	111	Α	Yes	1	.56-1(b), (c)	G			
2-Methyl-5-ethylpyridine	MEP	9	0	E	Ш	Α	Yes	1	.55-1(e)	G			
Methyl methacrylate	MMN	1 14	0	C	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G			
2-Methylpyridine	MPR	9	0	D	111	Α	Yes	3	.55-1(c)	G			
alpha-Methylstyrene	MSR	30	0	D	111	А	Yes	2	.50-70(a), .50-81(a), (b)	G			
Morpholine	MPL	7 2	0	D	111	А	Yes	1	.55-1(c)	G			
1- or 2-Nitropropane	NPM	42	0	D	111	А	Yes	1	.50-81	G			
1,3-Pentadiene	PDE	30	0	А	111	Α	Yes	7	.50-70(a), .50-81	G			
Perchloroethylene	PER	36	0	NA	111	А	No	N/A	No	G			
Polyethylene polyamines	PEB	7 2	0	E	111	А	Yes	1	.55-1(e)	G			
iso-Propanolamine	MPA	8	0	E	111	A	Yes	1	.55-1(c)	G			
Propanolamine (iso-, n-)	PAX	8	0	E	111	А	Yes	1	.56-1(b), (c)	G			
iso-Propylamine	IPP	. 7	0	Α	11	А	No	N/A	.55-1(c)	G			
Pyridine	PRD	9	0	С	111	Α	Yes	1	.55-1(e)	G			
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		0		Ш	А	No	N/A	.50-73, .55-1(j)	G			
Sodium aluminate solution (45% or less)	SAU	5	0	NA	Ш	Α	No	N/A	.50-73, .56-1(a), (b), (c)	G			
Sodium chlorate solution (50% or less)	SDD	0 1.2	0	NA	111	Α	No	N/A	.50-73	G			
Sodium hypochlorite solution (20% or less)	SHQ	5	0	NA	111	- A	No	N/A	.50-73, .56-1(a), (b)	G			
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 1.2	0	NA	111	Α	Yes	1	.50-73, .55-1(b)	G			
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but ess than 200 ppm)	SSI	0 1,2	0	NA	Ш	А	No	N/A	.50-73, .55-1(b)	G			
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1.2	0	NA	11	Α	No	N/A	.50-73, .55-1(b)	G			
Styrene (crude)	STX		0	D	111	Α	Yes	2	No	G			
Styrene monomer	STY	30	0	D	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G			
1,1,2,2-Tetrachloroethane	TEC	36	0	NA	111	Α	No	N/A	No	G			
Tetraethylenepentamine	TTP	7	0	Е	111	A	Yes	1	.55-1(c)	G			
Tetrahydrofuran	THF	41	0	С	111	А	Yes	1	.50-70(b)	G			
Toluenediamine	TDA	9	0	E	11	Α	No	N/A	.50-73, .56-1(a), (b), (c), (g)	G			
1,2,4-Trichlorobenzene	TCB	36	0	E	111	Α	Yes		No	G			
1,1,2-Trichloroethane	TCM		0	NA	111	Α	Yes		.50-73, .56-1(a)	G			
Trichloroethylene	TCL	36 ²	0	NA	111	Α	Yes		No ·	G			
1,2,3-Trichloropropane	TCN	36	0	E	11	A	Yes		.50-73, .56-1(a)	G			
Triethanolamine	TEA	8 2	0	E	111	A	Yes		.55-1(b)	G			
Triethylamine	TEN	7	0	C	11	A	Yes		.55-1(e)	G			
	TET	7 2	0	E	III	A	Yes		.55-1(b)	G			
Triethylenetetramine	TPB	5	0	NA	111	A	No	N/A	.56-1(a), (b), (c)	G			
Triphenylborane (10% or less), caustic soda solution	TSP	5	0	NA	111	A	No	N/A		G			
Trisodium phosphate solution	UAS	6	0	NA	III	A	No	N/A	Section and the section of the secti	G			
Urea, Ammonium nitrate solution (containing more than 2% NH3)	VBL	5	0	NA	111	A	No	N/A	<u> </u>	G			
Vanillin black liquor (free alkali content, 3% or more).	VAM		0	C	111	A	Yes		.50-70(a), .50-81(a), (b)	G			
Vinul pendeganate	VND	13	0	E	111	A	No	N/A		G			
Vinyl neodecanate	VNT	13	0	D	111	A	Yes		.50-70(a), .50-81, .56-1(a), (b), (c), (G			
Vinyltoluene		13		U	111		165						
Subchapter D Cargoes Authorized for Vapor Contr	ACT	18 2	D	С		Α	Yes	1					
Acetophenone	ACP	18	D	E		Α	Yes	1					
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	D	E		Α	Yes	1		75			
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		Α	Yes	1					
. iioonongoo o ii noooonaariji porjiti iizjotnonjiatoo	AEC	34	D	D		Α	Yes	1	*				

Serial #:

C2-0702494

ted: 13-Aug-0



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28054

Official #: 1197992

Page 4 of 7

Shipyard: West Gulf Marine

Name Name Name Name Nyl alcohol (iso-, n-, sec-, primary) Nyl alcohol Nake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) Cols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and ir borate esters) Nyl acetate (all isomers) Nyl alcohol (iso-) Nyl alcohol (n-) Nyl alcohol (sec-) Nyl alcohol (tert-) Nyl benzyl phthalate Nyl toluene Prolactam solutions Clohexane Clohexanol Nymene Poecaldehyde Decaldehyde	Chem Code AAI BAL BFX BAX IAL BAN BAS BAT BPH BUE CLS CHX CHN CPD CMP IDA	Compat Group No 20 21 20 34 20 ² 34 32 22 31 20 30 32	Sub Chapter D D D D D D D D D D D D D	D E E D D C C C E D E C C	Hull Type	Tank Group A A A A A A A A A A A A A A A A A A	App'd (Y or N) Yes	1 1 1 1 1 1 1 1 1 1 1 1	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
nzyl alcohol (iso-, n-, sec-, primary) nzyl alcohol ake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) cols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and iri borate esters) tyl acetate (all isomers) tyl alcohol (iso-) tyl alcohol (n-) tyl alcohol (sec-) tyl alcohol (tert-) tyl alcohol (tert-) tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexanol 3-Cyclopentadiene dimer (molten) Cymene p-Decaldehyde	BAX IAL BAN BAS BAT BPH BUE CLS CHX CHN CPD CMP	34 20 2 34 20 2 34 32 22 31 20 30	D D D D D D D D D D D D D D D D D D D	D E E D D C C C E D E C C		A A A A A A A A A A A A A A A A A A A	Yes	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Special Requirements in 46 CFR 151 General and Mat'ls of	
nzyl alcohol ake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) cols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and iir borate esters) tyl acetate (all isomers) tyl alcohol (iso-) tyl alcohol (n-) tyl alcohol (sec-) tyl alcohol (tert-) tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexanol b-Cyclopentadiene dimer (molten) Cymene p-Decaldehyde	BAL BFX IAL BAN BAS BAT BPH BUE CLS CHX CHN CPD	21 20 34 20 2 34 32 22 31 20 30	D D D D D D D D D D D D D D D D D D D	E D D C C E D E C		A A A A A A A	Yes	1 1 1 1 1 1 1 1 1		
ake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) cols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and iir borate esters) tyl acetate (all isomers) tyl alcohol (iso-) tyl alcohol (n-) tyl alcohol (sec-) tyl alcohol (tert-) tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexanol b-Cyclopentadiene dimer (molten) Cymene -Decaldehyde	BAX IAL BAN BAS BAT BPH BUE CLS CHX CHN CPD	34 20 ² 34 32 22 31 20 30	D D D D D D D D D D D D D D D D D D D	D D C C C E D E C C		A A A A A A	Yes Yes Yes Yes Yes Yes Yes Yes Yes	1 1 1 1 1 1 1 1		
cols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and ir borate esters) tyl acetate (all isomers) tyl alcohol (iso-) tyl alcohol (n-) tyl alcohol (sec-) tyl alcohol (tert-) tyl alcohol (tert-) tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexanol b-Cyclopentadiene dimer (molten) Cymene p-Decaldehyde	BAX IAL BAN BAS BAT BPH BUE CLS CHX CHN CPD	34 20 ² 34 32 22 31 20 30	D D D D D D D D D D D D D D D D D D D	D D C C C E D E C		A A A A A	Yes Yes Yes Yes Yes Yes Yes Yes	1 1 1 1 1 1 1 1		
tyl alcohol (iso-) tyl alcohol (n-) tyl alcohol (sec-) tyl alcohol (tert-) tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexane clohexanol B-Cyclopentadiene dimer (molten) CymeneDecaldehyde	BAN BAS BAT BPH BUE CLS CHX CHN CPD	34 32 22 31 20 30	D D D D D D D D D D D	D C C E D E C		A A A A A	Yes Yes Yes Yes Yes Yes Yes	1 1 1 1 1		
tyl alcohol (n-) tyl alcohol (sec-) tyl alcohol (tert-) tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexanol B-Cyclopentadiene dimer (molten) Cymene I-Decaldehyde	BAN BAS BAT BPH BUE CLS CHX CHN CPD CMP	34 32 22 31 20 30	D D D D D D D	D C C E D E C		A A A A	Yes Yes Yes Yes Yes Yes	1 1 1 1		
tyl alcohol (n-) tyl alcohol (sec-) tyl alcohol (tert-) tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexanol B-Cyclopentadiene dimer (molten) Cymene I-Decaldehyde	BAS BAT BPH BUE CLS CHX CHN CPD CMP	32 22 31 20 30	D D D D D	C C E D E C		A A A	Yes Yes Yes Yes	1 1 1		
tyl alcohol (sec-) tyl alcohol (tert-) tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexanol B-Cyclopentadiene dimer (molten) Cymene I-Decaldehyde	BAT BPH BUE CLS CHX CHN CPD	32 22 31 20 30	D D D	C E D E C		A A A	Yes Yes Yes	1 1 1		
tyl alcohol (tert-) tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexanol b-Cyclopentadiene dimer (molten) CymeneDecaldehyde	BPH BUE CLS CHX CHN CPD	32 22 31 20 30	D D D	E D E C		A A	Yes Yes	1		
tyl benzyl phthalate tyl toluene prolactam solutions clohexane clohexanol B-Cyclopentadiene dimer (molten) CymeneDecaldehyde	CLS CHX CHN CPD CMP	32 22 31 20 30	D D D	D E C		А	Yes	1		
tyl toluene prolactam solutions clohexane clohexanol B-Cyclopentadiene dimer (molten) Cymene -Decaldehyde	CLS CHX CHN CPD	22 31 20 30	D D	E C						
prolactam solutions clohexane clohexanol B-Cyclopentadiene dimer (molten) Cymene -Decaldehyde	CHX CHN CPD CMP	31 20 30	D	С		А	Vac			
clohexane clohexanol B-Cyclopentadiene dimer (molten) CymeneDecaldehyde	CHN CPD CMP	20 30		77117			Yes	1		
clohexanol 3-Cyclopentadiene dimer (molten) Cymene -Decaldehyde	CPD	30	D			Α	Yes	1		
S-Cyclopentadiene dimer (molten) Cymene I-Decaldehyde	CMP			E		Α	Yes	1		
Cymene -Decaldehyde		32	D	D/E		Α	Yes	2		
-Decaldehyde	IDA	32	D	D		Α	Yes	1		
		19	D	E		Α	Yes	1		
Sociationy	DAL	19	D	Е		Α	Yes	1		
cenè	DCE	30	D	D		Α	Yes	1		
ecyl alcohol (all isomers)	DAX	20 2	D	E		Α	Yes	1	-	
Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		Α	Yes	1		
acetone alcohol	DAA	20 2	D	D		Α	Yes	1		
ho-Dibutyl phthalate	DPA	34	D	E		Α	Yes	1		
ethylbenzene	DEB	32	D	D		A	Yes	1.		
ethylene glycol	DEG		D	E		Α	Yes	1		
sobutylene	DBL	30	D	C		A	Yes	1		
•	DIK	18	D	D		A	Yes	1		
sobutyl ketone	DIX	32	D	E		A	Yes	1		
sopropylbenzene (all isomers)	DTL	34	D	E		A	Yes	1		
methyl phthalate	DOP		D	E		A	Yes	1		
octyl phthalate	DPN	30	D	D		A	Yes	1		
pentene	DIL .	32	D	D/E		A	Yes			
phenyl	DDO		D	-E		A	Yes			
phenyl, Diphenyl ether mixtures	DPE		D			A	Yes			
phenyl ether	115-014-0-2-0	41	D	E		A	Yes			
propylene glycol	DPG			1,000	,	A		- MAN		
stillates: Flashed feed stocks	DFF	33	D	E			Yes			
stillates: Straight run	DSR	3.00	D	E		A	Yes			
odecene (all isomers)	DOZ		D	D		A	Yes			
odecylbenzene, see Alkyl(C9+)benzenes	DDB		. D	E		A	Yes		., 3. 3. 1. 1	
Ethoxyethyl acetate	EEA		D	D		A	Yes		ž.	
hoxy triglycol (crude)	ETG		D	E		A	Yes			
hyl acetate	ETA		D	С	-	A	Yes			
hyl acetoacetate	EAA		D	E		A	Yes			
hyl alcohol	EAL	20 2	D	С		A	Yes			
hylbenzene	ETB		D	С		A	Yes			1
hyl butanol	EBT		D	D		A	Yes			
hyl tert-butyl ether	EBE		D	С		Α	Yes			
hyl butyrate	EBR	09600 0	D	D		A	Yes			
hyl cyclohexane hylene glycol	ECY		D D	D E		A	Yes			



erial #: C2-0702494 Dated: 13-Aug-07

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28054 Official #: 1197992

Page 5 of 7

Shipyard: West Gulf Marine

Cargo Identification	on			¥.		Conditions of Carriage						
							Vapor l	Recovery				
Name	Chem	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		
Ethylene glycol butyl ether acetate	EMA	34	D	E		Α	Yes	1				
Ethylene glycol diacetate	EGY	34	D	Е		Α	Yes	1				
Ethylene glycol phenyl ether	EPE	40	D	Е		Α	Yes	1				
Ethyl-3-ethoxypropionate	EEP	34	D	D		А	Yes	1				
2-Ethylhexanol	EHX	20	D	E		Α	Yes	1	4 3 1 4 1			
Ethyl propionate	EPR	34	D	С		А	Yes	1				
Ethyl toluene	ETE	32	D	D		А	Yes	1				
Formamide	FAM	10	D	Е		А	Yes	1				
Furfuryl alcohol	FAL	20 2	D	E		Α	Yes	1				
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		А	Yes	1				
Gasoline blending stocks: Reformates	GRF	33	D	A/C		, A	Yes	1				
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	С		Α	Yes	1				
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	С		А	Yes	1				
Gasolines: Casinghead (natural)	GCS	33	D	A/C		Α	Yes	1				
Gasolines: Polymer	GPL	33	D	A/C		Α	Yes	1				
Gasolines: Straight run	GSR	33	D	A/C		Α	Yes	1				
Glycerine	GCR	20 2	D	E		A	Yes	1				
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	C		A	Yes	1				
Heptanoic acid	HEP	4	D	E		A	Yes	1				
	HTX	20	D	D/E		A	Yes	1				
Heptanol (all isomers)	HPX	30	D	C		A	Yes	2				
Heptene (all isomers)	200,000,000	18,70			2	20000		280				
Heptyl acetate	HPE	34	D	E		A	Yes	1				
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 2	D	B/C		A	Yes	1				
Hexanoic acid	HXO	4	D	E		A	. Yes	1				
Hexanol	HXN	20	D	D		Α	Yes	1				
Hexene (all isomers)	HEX	30	D	С		Α	Yes	2				
Hexylene glycol	HXG	20	D	E		Α	Yes	1				
Isophorone	IPH	18 2	D	E		Α	Yes	1				
Jet fuel: JP-4	JPF	33	D	E		Α	Yes	1				
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		Α	Yes	1				
Kerosene	KRS	33	D	D		Α	Yes	1				
Methyl acetate	MTT	34	D	D		Α	Yes	1				
Methyl alcohol	MAL	20 2	D	C		. A	Yes	1				
Methylamyl acetate	MAC	34	D	D		Α	Yes	1				
Methylamyl alcohol	MAA	20	D	D		Α	Yes	1				
Methyl amyl ketone	MAK	18	D	D		Α	Yes	1				
Methyl tert-butyl ether	MBE	41 2	D	С		Α	Yes	1				
Methyl butyl ketone	MBK		D	С		Α	Yes	1				
Methyl butyrate	MBU		D	С		А	Yes	1				
Methyl ethyl ketone	MEK	18 2	D	С		Α	Yes	1				
Methyl heptyl ketone	MHK		D	D		Α	Yes	1				
Methyl isobutyl ketone	MIK	18 2	D	С		Α	Yes	1				
Methyl naphthalene (molten)	MNA		D	E		A	Yes	1				
Mineral spirits	MNS	33	D	D		A	Yes	1				
	MRE		D	D		A	Yes	1.				
Myrcene Naphtha: Hogy	NAG	33	D	#		A	Yes	1				
Naphtha: Heavy		33	D	#				1				
Naphtha: Petroleum	PTN	33	D	# D		A	Yes	1				
Naphtha: Solvent	NSV											

Serial #: C2-0702494



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28054

Official #: 1197992

Page 6 of 7

Shipyard: West Gulf Marine

Cargo Identifica	tion					Conditions of Carriage							
							Vapor	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. Perio			
Naphtha: Varnish makers and painters (75%)	NVM	33	D	С		А	Yes	1					
Vonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		Α	Yes	1					
Nonene (all isomers)	NON	30	D	D		А	Yes	2	The Commence of				
Nonyl alcohol (all isomers)	NNS	20 2	D	E		Α	Yes	1					
Nonyl phenol	NNP	21	D	E		Α	Yes	1					
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		A	Yes	1					
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	С		Α	Yes	1					
Octanoic acid (all isomers)	OAY	4	D	E		Α	Yes	1					
Octanol (all isomers)	OCX	20 2	D	E		Α	Yes	. 1					
Octene (all isomers)	OTX	30	D	C		Α	Yes	2					
Oil, fuel: No. 2	OTW	33	D	D/E		А	Yes	1					
Oil, fuel: No. 2-D	OTD	33	D	D		Α	Yes	1					
Oil, fuel: No. 4	OFR	33	D	D/E		А	Yes	1					
Oil, fuel: No. 5	OFV	. 33	D	D/E		A	Yes	1					
Oil, fuel: No. 6	OSX	33	D	E		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: Lubricating	OLB	33	D	E		Α	Yes	1					
Oil, misc: Residual	ORL	33	D	E		Α	Yes	1					
Oil, misc: Turbine	ОТВ	33	- D	E		Α	Yes	1					
Pentane (all isomers)	PTY	31	D	A		A	Yes						
Pentene (all isomers)	PTX	30	D	Α .		Α	Yes	5					
alpha-Pinene	PIO	30	D	D		A	Yes						
beta-Pinene	PIP	30	D	D		A	Yes						
·	PAG	40	D	E		A	Yes						
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAF	34	D	E		A	Yes						
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PLB	30	D	E		A	Yes						
Polybutene	PGC	40	D	E		A	Yes						
Polypropylene glycol	IAC	34	D	C		A	Yes						
iso-Propyl acetate				C			Yes						
n-Propyl acetate	PAT	34	D.			Α.							
iso-Propyl alcohol	IPA	20 2	D	С		A	Yes						
n-Propyl alcohol	PAL	20 2	D	С		A	Yes						
Propylbenzene (all isomers)	PBY	32	D	D		A	Yes						
iso-Propylcyclohexane	IPX	31	D	D		A	Yes						
Propylene glycol	PPG	20 2	D	E		A	Yes						
Propylene glycol methyl ether acetate	PGN	34	D	D		A	Yes						
Propylene tetramer	PTT	30	D	D		A	Yes						
Sulfolane	SFL	39	D	E		Α	Yes						
Tetraethylene glycol	TTG	40	D	E		Α	Yes						
Tetrahydronaphthalene	THN		D	E		Α	Yes						
Toluene	TOL	32	D	С		А	Yes						
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		Α	Yes						
Triethylbenzene	TEB	32	D	E		Α	Yes						
Triethylene glycol	TEG	3000	D	E		Α	Yes						
Triethyl phosphate	TPS	34	D	E		Α	Yes	1	- 17 II				
Trimethylbenzene (all isomers)	TRE		D	{D}		Α	Yes	1					
Trixylenyl phosphate	TRP	34	D	E		Α	Yes	1					
Undecene	UDC	30	D	D/E		Α	Yes	1					
1-Undecyl alcohol	UND	20	D	E		Α	Yes	1					
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		Α	Yes	1					



Serial #: C2-0702494

13-Aug-07

Dated:

Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRRY 28054 Official #: 1197992

Page 7 of 7

Shipyard: West Gulf Mari

Hull #: 174

Explanation of terms & symbols used in the Table:

Cargo Identification

Compatability Group No.

Note 1

Note 2

Subchapter O

Grade

D. E

NA

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 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.

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

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 (202) 372-1425.

See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.

The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
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.
Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges. Subchapter Subchapter D

Note 3

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 "

A, B, C Flammable liquid cargoes, as defined in 46 CFR 30-10.22 Combustible liquid cargoes, as defined in 46 CFR 30-10.15. Note 4

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.

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

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 sufficeint hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4). 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 Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo Approved (Y or N) 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 Recover Approved (Y or N)

es: 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:

(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)) Category 1

must use appropriate friction factors, vapor densities and vapor growth rates.

(Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety components 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 Category 2

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

(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 Category 3

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.

(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5 Category 6

(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5. Category 7

The cargo has not been evaluated/classified for use in vapor control systems