

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

Certification Date: 08 Jun 2023 Expiration Date: 08 Jun 2028

Certificate of Inspection

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

KIRBY 2910			Number	IMO Num	ber	Call Sign	Service	Service		
	2	1244	4565				Tank B	arge		
Hailing Port WILMINGTO	DN, DE		Hull Material Steel	Horse	epower	Propulsion				
UNITED STA	ATES									
Place Built	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	D	elivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length		
Ashland City,	, TN		45 1 0040		R-1632	R-1632		R-300.0		
UNITED STA	ATES	2	1Feb2013	24Jan2013	ŀ	•		10		
				1835 Char		77530				
	nust be manned v feboatmen, 0 Ce						hich there m	ust be		
0 Masters	0	Licensed Mates	0 Chief	Engineers	0 Oi	lers				
0 Chief Mate	es 0	First Class Pilots	0 First /	Assistant Enginee	rs					
0 Second Ma	ates 0	Radio Officers	0 Secon	nd Assistant Engir	neers					
0 Third Mate	s 0	Able Seamen	0 Third	Assistant Engine	ers					
0 Master Fire	st Class Pilot 0	Ordinary Seamen	0 Licen:	sed Engineers						
0 Mate First		Deckhands		fied Member Engi				-		
	• •	rry 0 Passenge	ers. 0 Other	Persons in cre	ew, 0 Persor	ns in addition to	crew, and n	o Others. Total		
In addition, th Persons allov		ny o r doconge								
Persons allow Route PermLakes, Also, in fai Carrabelle, This vessel (2). If this vessel must	wed: 0 nitted And Cond Bays, and So ir weather only	itions Of Oper ounds , limited coa ed a fresh wa rated in salt sing salt wat	ration: astwise, n ater servi t water mo	ot more than ce examination re than six als per 46 CF	n interval 6) months) miles from in accordanc in any twelve	ce with 46 C	FR 31.10-21(a) period, the		
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United States of America **Department of Homeland Security United States Coast Guard**

Certification Date: 08 Jun 2023 **Expiration Date:** 08 Jun 2028

Certificate of Inspection

Vessel Name: KIRBY 29102

This tank barge is participating in the Eighth and Ninth Coast Guard Districts' 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 Houston-Galveston.

---Hull Exams---

Exam Type

Next Exam

Last Exam

Prior Exam

DryDock

31May2033

18May2023

21Feb2013

Internal Structure

31Mar2028

22Mar2023

12Apr2018

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

Authorization:

GRADE A AND LOWER AND SPECIFIED HAZARDOUS CARGOES

Total Capacity

Highest Grade Type Part151 Regulated Part153 Regulated Part154 Regulated

28500

Barrels

Yes

No

No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1 P/S	886	13.6
2 P/S	851	13.6
3 P/S	722	13.6

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3808	10ft 0in	13.6	R, LBS
Ш	4684	11ft 9in	13.6	R, LBS

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial # C1-1205054, dated 19 Dec 2012, may be carried, and then only in the tanks indicated. When the vessel is carrying cargoes containing greater than 0.5% benzene, the person in charge is responsible for ensuring the provisions of 46 CFR 197, Subpart C are applied.

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 8.74 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.



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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 #C1-1205054 dated 19 Dec 2012 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.

In accordance with 46 CFR 39.1017 and 46 CFR Part 39.5000, this vessel's VCS has been evaluated and approved for multi-breasted tandem loading with other vessels specifically approved by Marine Safety Center letter Serial No. C1-1301563 dated 14 May 2013.

--- Inspection Status ---

Fuel Tanks

Internal Examinations

Tank ID	Previous	Last	Next
MACHINERY DECK	-	21Feb2013	=

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1 P/S	21Feb2013	22Mar2023	31Mar2033	12Apr2018	22Mar2023	31Mar2028
2 P/S	21Feb2013	22Mar2023	31Mar2033	12Apr2018	22Mar2023	31Mar2028
3 P/S	21Feb2013	22Mar2023	31Mar2033	12Apr2018	22Mar2023	31Mar2028
			Hydro Test			
Tank Id	Safety Valves		Previous	Last	Next	
1 P/S	-		-	21Feb2013	-	
2 P/S	. 		-	21Feb2013	-	
3 P/S	_		-	21Feb2013	-	

--- 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

FND

^{*}Vapor Control Authorization*





Cargo Authority Attachment

Vessel Name: KIRBY 29102 Official #: 1244565 Shipyard: Trinity Ashland

Dated:

C1-1205054

19-Dec-12

Hull #: 4919

Tank Group Information	Tank Group Characterist Cargo Identification			Cargo	Tanks			Cargo Transfer		Environmental Control		Fire	Special Requirements					
Tnk Grp	Tanks in Group	Density		Temp.	Hull Typ	Seg	Туре	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Protection Provided	General	Materials of Construction	Elec Haz	Temp Cont
A	#1P/S, #2P/S, #3P/S	13.6	Atmos.	Amb.	II	1ii 2ii	Integral Gravity	PV	Closed	П	G-1	NR	NA	Portable	.50-60, .50-70(a), .50-70(b), .50-73, .50-81(a), .50- 81(b),	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (c), (d), (e), (f), (g),	NR	No

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 Identificatio		Conditions of Carriage								
	Chem	Compat	Sub		Hull	Tank	Vapor Ro	ecovery VCS	Special Requirements in 46 CFR	Insp.
Name	Code	Group No	Chapter	Grade	Туре	Group		Category	151 General and Mat'ls of	Perio
Authorized Subchapter O Cargoes				7-33-33						
Acetonitrile	ATN	37	0	С	III	Α	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	Α	Yes	1	No	G
Alkyl(C7-C9) nitrates	AKN	34 2	0	NA	Ш	Α	No	N/A	.50-81, .50-86	G
Aminoethylethanolamine	AEE	8	0	E	Ш	Α	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	Ш	Α	No	N/A	.56-1(a), (b), (c), (f), (g)	G
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	11	Α	No	N/A	No	G
Benzene	BNZ	32	0	С	111	Α	Yes	1	.50-60	G
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	внв	32 ²	0	С	III	Α	Yes	1	.50-60	G
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	ВНА	32 ²	0	С	Ш	Α	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	Α	Yes	1	.50-60	G
Butyl acrylate (all isomers)	BAR	14	0	D	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Butyl methacrylate	вмн	14	0	D	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Butyraldehyde (all isomers)	BAE	19	0	С	Ш	Α	Yes	1	.55-1(h)	G
Camphor oil (light)	CPO	18	0	D	11	Α	No	N/A	No	G
Carbon tetrachloride	CBT	36	0	NA	m	Α	No	N/A	No	G
Caustic potash solution	CPS	5 ²	0	NA	Ш	Α	No	N/A	.50-73, .55-1(j)	G
Caustic soda solution	CSS	5 ²	0	NA	111	Α	No	N/A	.50-73, .55-1(j)	G
Chemical Oil (refined, containing phenolics)	COD	21	0	Е	11	Α	No	N/A	.50-73	G
Chlorobenzene	CRB	36	0	D	Ш	Α	Yes	1	No	G
Chloroform	CRF	36	0	NA	III	Α	Yes	3	No	G
Coal tar naphtha solvent	NCT	33	0	D	111	Α	Yes	1	.50-73	G
Creosote	CCV	V 21 ²	0	E	Ш	Α	Yes	1	No	G
Cresols (all isomers)	CRS	21	0	E	111	Α	Yes	1	No	G
Cresylate spent caustic	CSC	5	0	NA	Ш	Α	No	N/A		G
Cresylic acid tar	CRX		0	E	Ш	Α	Yes	1	.55-1(f)	G
Crotonaldehyde	CTA	19 ²	0	С	II	Α	Yes	4	.55-1(h)	G
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG	3	0	С	III	Α	No	N/A		G
Cyclohexanone	CCH	1 18	0	D	Ш	Α	Yes	1	.56-1(a), (b)	G
Cyclohexanone, Cyclohexanol mixture	CYX	18 ²	0	E	111	Α	Yes	1	.56-1 (b)	G
Cyclohexylamine	CHA	7	0	D	111	Α	Yes	1	.56-1(a), (b), (c), (g)	G





erial #: *C1-1205054* Dated: *19-Dec-1*2

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 29102

Official #: 1244565

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Shipyard: Trinity Ashland

Cargo Identification	n					Conditions of Carriage					
							Vapor F	Recovery		T	
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	
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	III	Α	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	
Dichlorobenzene (all isomers)	DBX	36	0	Е	III	Α	Yes	3	.56-1(a), (b)	G	
1,1-Dichloroethane	DCH	36	0	С	III	Α	Yes	1	No	G	
2,2'-Dichloroethyl ether	DEE	41	0	D	II	Α	Yes	1	.55-1(f)	G	
Dichloromethane	DCM	36	0	NA	III	Α	Yes	5	No	G	
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	E	Ш	Α	No	N/A	.56-1(a), (b), (c), (g)	G	
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2	0	Α	III	Α	No	N/A	.56-1(a), (b), (c), (g)	G	
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 ²	0	Ε	Ш	Α	No	N/A	.56-1(a), (b), (c), (g)	G	
1,1-Dichloropropane	DPB	36	0		III	A	Yes	3	No	G	
1,2-Dichloropropane	DPP	36	0	С	111	A	Yes		No	G	
1,3-Dichloropropane	DPC	36	0	C	 III	A	Yes	3	No	G	
1,3-Dichloropropene	DPU	15	0	D	11	A	Yes	4	No	G	
Dichloropropene, Dichloropropane mixtures	DMX		0	C	11				No	G	
Diethanolamine	DEA	15 8	0	E		A	Yes	1	.55-1(c)	G	
						A	Yes	1	.55-1(c)	G	
Diethylamine	DEN	7	0	C	111	A	Yes	3		G	
Diethylenetriamine	DET	7 2	0	E	111	Α	Yes	1	.55-1(c)		
Diisobutylamine	DBU	7	0	D	III	Α	Yes	3	.55-1(c)	G	
Diisopropanolamine	DIP	8	0	E	111	Α	Yes	1	.55-1(c)	G	
Diisopropylamine	DIA	7	0	С	- 11	A	Yes	3	.55-1(c)	G	
N,N-Dimethylacetamide	DAC	10	0	E	III	Α	Yes	3	.56-1(b)	G	
Dimethylethanolamine	DMB	8	0	D	Ш	Α	Yes	1	.56-1(b), (c)	G	
Dimethylformamide	DMF	10	0	D	III	Α	Yes	1	.55-1(e)	G	
Di-n-propylamine	DNA	7	0	С	Ш	Α	Yes	3	.55-1(c)	G	
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	0	E	Ш	Α	No	N/A	.56-1(b)	G	
Dodecyl diphenyl ether disulfonate solution	DOS	43	0	#	П	Α	No	N/A	No	G	
EE Glycol Ether Mixture	EEG	40	0	D	III	Α	No	N/A	No	G	
Ethanolamine	MEA	8	0	E	Ш	Α	Yes	1	.55-1(c)	G	
Ethyl acrylate	EAC	14	0	С	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G	
Ethylamine solution (72% or less)	EAN	7	0	Α	II	Α	Yes	6	.55-1(b)	G	
N-Ethylbutylamine	EBA	7	0	D	111	Α	Yes		.55-1(b)	G	
N-Ethylcyclohexylamine	ECC	7	0	D	101	Α	Yes		.55-1(b)	G	
	ETC	20	0	Ē	III	A	Yes		No	G	
Ethylene cyanohydrin	EDA	7 2	0	D	111	Α	Yes		.55-1(c)	G	
Ethylenediamine	EDC		0	C	111	A	Yes		No	G	
Ethylene dichloride				E	111	A	No	N/A		G	
Ethylene glycol hexyl ether	EGH		0				Yes		No	G	
Ethylene glycol monoalkyl ethers	EGC		0	D/E	111	A			No	G	
Ethylene glycol propyl ether	EGP		0	E	- 111	A	Yes		.50-70(a), .50-81(a), (b)	G	
2-Ethylhexyl acrylate	EAI	14	0	E	- 111	A	Yes		.50-70(a), .50-61(a), (b)	G	
Ethyl methacrylate	ETM		0	D/E	111	A	Yes		No	G	
2-Ethyl-3-propylacrolein	EPA		0	E	111	A	Yes			G	
Formaldehyde solution (37% to 50%)	FMS	-	0	D/E	- 111	A	Yes		.55-1(h)	G	
Furfural	FFA	19	0	D	111	A	Yes		.55-1(h)	G	
Glutaraldehyde solution (50% or less)	GTA		0	NA	111	A	No	N/A		G	
Hexamethylenediamine solution	HMC	7	0	E	Ш	Α	Yes		,55-1(c)		
Hexamethyleneimine	НМІ	7	0	С	II	Α	Yes		.56-1(b), (c)	G	
Hydrocarbon 5-9	HFN		0	С	III	Α	Yes		.50-70(a), .50-81(a), (b)	G	
Isoprene	IPR	30	0	Α	111	Α	Yes	7	.50-70(a), .50-81(a), (b)	G	





Cargo Authority Attachment

Vessel Name: KIRBY 29102 Official #: 1244565

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Shipyard: Trinity Ashland

C1-1205054

Cargo Identification	1					Conditions of Carriage				
							Vapor F	Recovery		1
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
soprene, Pentadiene mixture	IPN		0	В	Ш	Α	No	N/A	.50-70(a), .55-1(c)	G
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	0	NA	Ш	Α	No	N/A	.50-73, .56-1(a), (c), (g)	G
Mesityl oxide	MSO	18 ²	0	D	Ш	Α	Yes	1	No	G
Methyl acrylate	MAM	14	0	С	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Methylcyclopentadiene dimer	MCK	30	0	С	Ш	Α	Yes	1	No	G
Methyl diethanolamine	MDE	8	0	Е	Ш	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	MMM	14	0	С	Ш	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	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Morpholine	MPL	7 2	0	D	III	Α	Yes	1	.55-1(c)	G
Nitroethane	NTE	42	0	D	11	Α	No	N/A	.50-81, .56-1(b)	G
1- or 2-Nitropropane	NPM	42	0	D	III	Α	Yes	1	.50-81	G
1,3-Pentadiene	PDE	30	0	Α		A	Yes	7	.50-70(a), .50-81	G
Perchloroethylene	PER	36	0	NA	III	A	No	N/A	No	G
Polyethylene polyamines	PEB	7 2	0	E	III	Α	Yes	1	.55-1(e)	G
iso-Propanolamine	MPA	8	0	E	III	Α	Yes	1	.55-1(c)	G
Propanolamine (iso-, n-)	PAX	8	0	E	III	Α	Yes	1	.56-1(b), (c)	G
so-Propylamine	IPP	7	0	A	II	Α	Yes	5	.55-1(c)	G
Pyridine	PRD	9	0	C	111	A	Yes	1	.55-1(e)	G
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxid			0		III	Α	No	N/A	.50-73, .55-1(j)	G
Sodium aluminate solution (45% or less)	SAU	5	0	NA	111	A	No	N/A	.50-73, .56-1(a), (b), (c)	G
Sodium chlorate solution (50% or less)	SDD	0 1,2	0.20	NA	111	A	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		NA	Ш	A	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		NA	Ш	A	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	III	Α	Yes	2	No	G
Styrene monomer	STY	30	0	D	III	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
1,1,2,2-Tetrachloroethane	TEC	36	0	NA	III	Α	No	N/A	No	G
Tetraethylenepentamine	TTP	7	0	E	111	A	Yes	1	.55-1(c)	G
Tetrahydrofuran	THF	41	0	C	III	Α	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
	TCM	36	0	NA	III	A	Yes	1	.50-73, .56-1(a)	G
1,1,2-Trichloroethane	TCL	36 ²	0	NA	III	A	Yes	·	No	G
Trichloroethylene	TCN	36	0	E	11	A	Yes		.50-73, .56-1(a)	G
1,2,3-Trichloropropane	TEA	8 2		E	III	A	Yes		.55-1(b)	G
Triethanolamine	TEN	7	0		11	A	Yes		.55-1(e)	G
Triethylamine		7 2	0	E	<u>''</u> _	A	Yes		.55-1(b)	G
Triethylenetetramine	TET	5	0	NA	111	A	No	N/A		G
Triphenylborane (10% or less), caustic soda solution	TPB	5	0	NA	111	A	No	N/A		G
Trisodium phosphate solution		6	0	NA	- '''-	A	No	N/A		G
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS		0	NA	111	A	No	N/A		G
Vanillin black liquor (free alkali content, 3% or more).	VBL	5 12	0	C	111	A	Yes		.50-70(a), .50-81(a), (b)	G
Vinyl acetate	VAM		0	E	111	A	No	N/A	A STATE OF THE STA	G
Vinyl neodecanate	VND	13	U	D	10	^		2	.50-70(a), .50-81, .56-1(a), (b), (c), (G

Department of Homeland Security United States Coast Guard



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 29102 Official #: 1244565

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Shipyard: Trinity Ashland

C1-1205054

19-Dec-12

Cargo Identification	n					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 Peri		
Subchapter D Cargoes Authorized for Vapor Contr	ol											
Acetone	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				
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		Α	Yes	1				
Amyl acetate (all isomers)	AEC	34	D	D		Α	Yes	1				
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D		Α	Yes	1				
Benzyl alcohol	BAL	21	D	E		Α	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		Α	Yes	1				
Butyl acetate (all isomers)	BAX	34	D	D		Α	Yes	1				
Butyl alcohol (iso-)	IAL	20 ²	D	D		Α	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		Α	Yes	1				
Butyl benzyl phthalate	BPH	34	D	Е		Α	Yes	1				
Butyl toluene	BUE	32	D	D		Α	Yes	1				
Caprolactam solutions	CLS	22	D	E		Α	Yes	1				
Cyclohexane	СНХ	31	D	С		Α	Yes	1				
Cyclohexanol	CHN	20	D	Е		Α	Yes	1				
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		Α	Yes	2				
p-Cymene	CMP	32	D	D		Α	Yes	1				
iso-Decaldehyde	IDA	19	D	Е		Α	Yes	1				
n-Decaldehyde	DAL	19	D	Е		Α	Yes	1				
Decene	DCE	30	D	D		Α	Yes	1				
Decyl alcohol (all isomers)	DAX	20 ²	D	E	-	Α	Yes	1				
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	Е		Α	Yes	1				
Diacetone alcohol	DAA	20 ²	D	D		Α	Yes	1				
ortho-Dibutyl phthalate	DPA	34	D	E		Α	Yes	1				
Diethylbenzene	DEB	32	D	D		Α	Yes	1				
Diethylene glycol	DEG	40 2	D	Е		Α	Yes	1				
Diisobutylene	DBL	30	D	С		Α	Yes	1				
Diisobutyl ketone	DIK	18	D	D		Α	Yes	1				
Diisopropylbenzene (all isomers)	DIX	32	D	Ε		Α	Yes	1				
Dimethyl phthalate	DTL	34	D	E		Α	Yes	1				
Dioctyl phthalate	DOP	34	D	E		Α	Yes	1				
Dipentene	DPN	30	D	D		Α	Yes	1				
Diphenyl	DIL	32	D	D/E		Α	Yes	1				
Diphenyl, Diphenyl ether mixtures	DDO	33	D	Е		Α	Yes	1				
Diphenyl ether	DPE	41	D	{E}		Α	Yes	1				
Dipropylene glycol	DPG	40	D	E		Α	Yes	1				
Distillates: Flashed feed stocks	DFF	33	D	E		Α	Yes	1				
Distillates: Straight run	DSR	33	D	Е	5555 5	Α	Yes	1				
Dodecene (all isomers)	DOZ		D	D		Α	Yes	1	No see to			
Dodecene (all isomers) Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	E		Α	Yes	1				
	EEA	34	D	D		Α	Yes	1				
2-Ethoxyethyl acetate Ethoxy triglycol (crude)	ETG		D	E		Α	Yes	1				





Dated:

ated: 19-Dec-12

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 29102

Official #: 1244565

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Shipyard: Trinity Ashland

Cargo Identification	on							Condi	tions of Carriage	
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd	Recovery VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp.
Ethyl acetate	ETA	34	D	С		Α	Yes	1	<u> </u>	
Ethyl acetoacetate	EAA	34	D	E		Α	Yes	1		
Ethyl alcohol	EAL	20 ²	D	С		Α	Yes	1		
Ethylbenzene	ETB	32	D	С		Α	Yes	1		
Ethyl butanol	EBT	20	D	D		Α	Yes	1		
Ethyl tert-butyl ether	EBE	41	D	С		Α	Yes	1		
Ethyl butyrate	EBR	34	D	D		Α	Yes	1		
Ethyl cyclohexane	ECY	31	D	D		Α	Yes	1		***
Ethylene glycol	EGL	20 ²	D	E		Α	Yes	1		
Ethylene glycol butyl ether acetate	EMA	34	D	E		Α	Yes	1		
Ethylene glycol diacetate	EGY	34	D	E		Α	Yes	1		
Ethylene glycol phenyl ether	EPE	40	D	E		Α	Yes	1		
Ethyl-3-ethoxypropionate	EEP	34	D	D		Α	Yes	1		
2-Ethylhexanol	EHX	20	D	E		Α	Yes	1		
Ethyl propionate	EPR	34	D	С		Α	Yes	1		
Ethyl toluene	ETE	32	D	D		Α	Yes	1		
Formamide	FAM	10	D	Е		Α	Yes	1		
Furfuryl alcohol	FAL	20 2	D	E		Α	Yes	1		
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		Α	Yes	1		
Gasoline blending stocks: Reformates	GRF	33	D	A/C		Α	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		Α	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		Α	Yes	1		
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	С		Α	Yes	1		
Heptanoic acid	HEP	4	D	E		Α	Yes	1		
Heptanol (all isomers)	HTX	20	D	D/E		Α	Yes	1	HIMMONIA SERVICE AND A SERVICE	
Heptene (all isomers)	HPX	30	D	С		Α	Yes	2		
Heptyl acetate	HPE	34	D	E		Α	Yes	1		
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	D	B/C		Α	Yes	1		
Hexanoic acid	нхо	4	D	E		Α	Yes	1		
Hexanol	HXN	20	D	D		Α	Yes	1	8	
Hexene (all isomers)	HEX	30	D	С		Α	Yes	2		
Hexylene glycol	HXG	20	D	Е		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	С		Α	Yes	1		
Methylamyl acetate	MAC	34	D	D		Α	Yes	1		
Methylamyl alcohol	MAA	20	D	D		Α	Yes	1		
Methyl amyl ketone	MAK		D	D		Α	Yes	1		
Methyl tert-butyl ether	MBE	41 2	D	С		Α	Yes	1		
Methyl butyl ketone	MBK	18	D	С		Α	Yes	1		

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





Cargo Authority Attachment

Vessel Name: KIRBY 29102 Official #: 1244565

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Shipyard: Trinity Ashland

19-Dec-12

Cargo Identifica	tion							Condi	tions of Carriage			
							Vapor 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. Perio		
Methyl butyrate	MBU	34	D	С		Α	Yes	1	•			
Methyl ethyl ketone	MEK	18 ²	D	С		Α	Yes	1				
Methyl heptyl ketone	MHK	18	D	D		Α	Yes	1				
Methyl isobutyl ketone	MIK	18 ²	D	С		Α	Yes	1				
Methyl naphthalene (molten)	MNA	32	D	E		Α	Yes	1				
Mineral spirits	MNS	33	D	D		Α	Yes	1				
Myrcene	MRE	30	D	D		Α	Yes	1				
Naphtha: Heavy	NAG	33	D	#		Α	Yes	1				
Naphtha: Petroleum	PTN	33	D	#		Α	Yes	1				
Naphtha: Solvent	NSV	33	D	D		Α	Yes	1				
Naphtha: Stoddard solvent	NSS	33	D	D		Α	Yes	1				
Naphtha: Varnish makers and painters (75%)	NVM	33	D	С		Α	Yes	1				
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		Α	Yes	1				
Nonene (all isomers)	NON	30	D	D		Α	Yes	2				
Nonyl alcohol (all isomers)	NNS	20 ²	D	E		Α	Yes	1				
Nonyl phenol	NNP	21	D	Е		Α	Yes	1				
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		Α	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	С		Α	Yes	2				
Oil, fuel: No. 2	OTW	33	D	D/E		Α	Yes	1				
Oil, fuel: No. 2-D	OTD	33	D	D		Α	Yes	1				
Oil, fuel: No. 4	OFR	33	D	D/E		Α	Yes	1				
Oil, fuel: No. 5	OFV	33	D	D/E		Α	Yes	1				
Oil, fuel: No. 6	OSX	33	D	E		Α	Yes	1				
Oil, misc: Crude	OIL	33	D	C/D		Α	Yes	1				
Oil, misc: Diesel	ODS	33	D	D/E		Α	Yes	1				
Oil, misc: Gas, high pour	OGP	33	D	Ε		Α	Yes	1				
Oil, misc: Lubricating	OLB	33	D	Е		Α	Yes	1				
Oil, misc: Residual	ORL	33	D	E		Α	Yes	1				
Oil, misc: Turbine	ОТВ	33	D	Е		Α	Yes	1				
Pentane (all isomers)	PTY	31	D	Α		Α	Yes	5				
Pentene (all isomers)	PTX	30	D	Α	**********	Α	Yes	5				
n-Pentyl propionate	PPE	34	D	D		Α	Yes	1				
alpha-Pinene	PIO	30	D	D		Α	Yes	1				
beta-Pinene	PIP	30	D	D		Α	Yes	1				
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E		A	Yes	1	The second secon			
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAF	34	D	E		Α	Yes	1				
Polybutene	PLB	30	D	E		Α	Yes	1				
Polypropylene glycol	PGC	40	D	E		Α	Yes	1				
The state of the s	IAC	34	D	С		Α	Yes	1				
iso-Propyl acetate	PAT	34	D	c		Α	Yes	1				
n-Propyl acetate	IPA	20 2		С		Α	Yes	1				
iso-Propyl alcohol	PAL	20 2		С		A	Yes	1				
n-Propyl alcohol	PBY	32	D	D		Α	Yes	1				
Propylbenzene (all isomers)	IPX	31	D	D		A	Yes	1				
iso-Propylcyclohexane Propylene glycol	PPG	20 ²	D	E		A	Yes	1				





Cargo Authority Attachment

Vessel Name: KIRBY 29102

Official #: 1244565

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Shipyard: Trinity Ashland

19-Dec-12

Cargo Identification						Conditions of Carriage				
		T					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. Period
Propylene glycol methyl ether acetate	PGN	34	D	D		Α	Yes	1		
Propylene tetramer	PTT	30	D	D		Α	Yes	1		
Sulfolane	SFL	39	D	E		Α	Yes	1		
Tetraethylene glycol	TTG	40	D	E		Α	Yes	1		
Tetrahydronaphthalene	THN	32	D	E		Α	Yes	1		
Toluene	TOL	32	D	С		Α	Yes	1		
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		Α	Yes	1		
Triethylbenzene	TEB	32	D	E		Α	Yes	1		
Triethylene glycol	TEG	40	D	Ε		Α	Yes	1		
Triethyl phosphate	TPS	34	D	Е		Α	Yes	1		
Trimethylbenzene (all isomers)	TRE	32	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		



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

C1-1205054

19-Dec-12

Dated:

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 29102

Official #: 1244565 Page 8 of 8 Shipyard: Trinity Ashland

Explanation of terms & symbols used in the Table:

Cargo Identification

Note 1

Chem Code

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 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, 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 empatibility Chart. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-

Note 2 0001. Telephone (202) 372-1425.

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

Subchapter Subchapter D Note 3

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.

The cargo classification assigned to each flammable or combustible liquid. Grades inside of "{ }" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.

A, B, C D, E Note 4 Flammable liquid cargoes, as defined in 46 CFR 30-10.22 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

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

NA

NA

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 Vapor Recovery Approved (Y or N) The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo

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 Vapor Recover Approved (Y or N) 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

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 156.170, 46 CFR 39.30 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

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. guirement 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 1 cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.

Category 6 Category 7 (High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5 (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.