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

Certification Date: 25 Oct 2022 25 Oct 2027

Expiration Date:

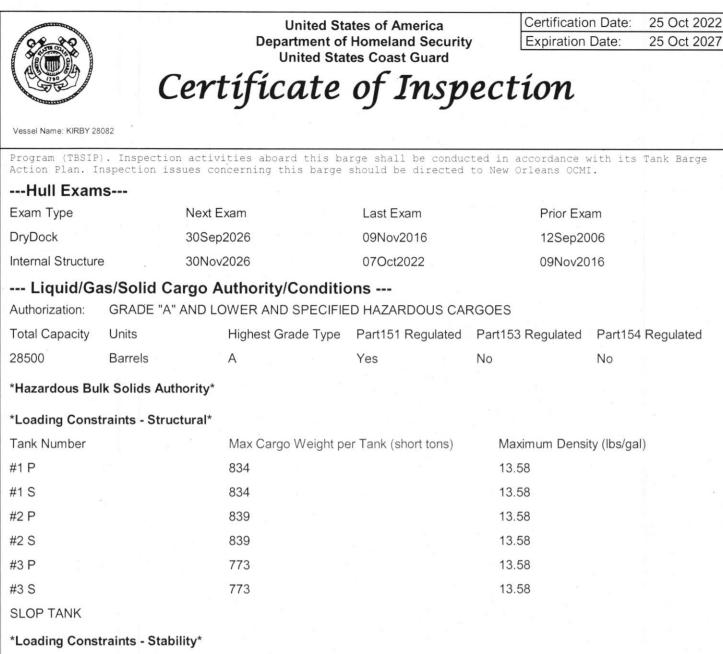
### Certificate of Inspection

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

ssel Name	Official Number	ikiO Number		Call Sign	SHIRE	
IRBY 28082	1183301				Tank B	arge
lating Port	Hull Matenai	Horsep	rn ef	Propulsion		
WILMINGTON, DE	Steel					
JNITED STATES						
Place Built	Delivery Date	Keel Laid Dale	Gross Tons	Net Tons	DWT	Lengih
ASHLAND CITY, TN		31Jul2006	R-1632 1-	R-1637  -		R-300 0 1-0
UNITED STATES						
KIRBY INLAND MARINE L 55 WAUGH DRIVE, ST 10 HOUSTON, TX 77007 UNITED STATES	P 00	18350 CHAI	) Market S	V, TX 77530		· ·
	c the line line pro	d and unlicense	Personne	I. Included in v	which there m	nust be
This vessel must be manne 0 Certified Lifeboatmen, 0	Centiled Tankennen, ette	÷ .)				
0 Masters 0 Chief Mates 0 Second Mates 0 Third Mates 0 Master First Class Pilot	0 Licensed Mates       0 Chi         0 First Class Pilots       0 First         0 Radio Officers       0 Sec         0 Able Seamen       0 Thi         0 Ordinary Seamen       0 License	ef Engineers t Assistant Enginee cond Assistant Enginer rd Assistant Enginer ensed Engineers	rs leers ars	הסווק א		
0 Mate First Class Pilots In addition, this vessel may Persons allowed: 0	carry 0 Passengers, 0 Oth	er Persons in cr	ew, 0 Pers	ons in addition	to crew, and	no Others, Total
Route Permitted And Co	onditions Of Operation:					
I akes Bays, and	Sounds					a
Florida. This vessel has been gr 21(b); if this vessel vessel must be inspect	nly, not more than twel anted a fresh water ser s operated in salt wate ed using salt water inte	vice examinati r more than si rvals and the	on interv χ (δ) mon cognizant	al in accorda ths in any tw OCMI notific	nce with 40 velve (12) r ed in writin	5 CFR Table 31.10 month period, the ng as soon as thi
This tank barge is par	ticipating in thé Eight	-Minth Coast (	luard Dist	rict's Tank	Barge Strea	miined inspection
	OR ADDITIONAL CERTI				ATES, the O	flicer in Charge, Ma
Jesseellon, Sector New U	Heans certified the vessory	in all respects, is	in conform	nity with the ap	plicable ves	set inspection laws a
the rules and regulations (	Periodic/Re-Inspection		This certifi	cate issued by	$\overline{\sim} u$	/
Date Zone	A/P/R Sign	ature		J. H. HART CO	MMANDER	-by direction
			Officer in Cham	e. Manne inspection		
9-1-23 sect. OH. 8-19-24 Rates Row	Valley A Ken Hak	V	Officer in Charg		or New Orlea	ins

Dept. of Home Sec., USCG, CG-841 (Rev 4-2080)(v2)

Scanned with CamScanner



Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
11	3786	10ft 0in	13.58	R
11	3786	10ft 0in	13.58	LBS
Ш	4662	11ft 9in	13.58	R
III	4662	11ft 9in	13.58	LBS

#### \*Conditions Of Carriage\*

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial C2-0601234, dated June 08, 2006 and Grade "A" and lower cargoes may be carried, and then only in the tanks indicated.

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 figures, tables and appendices of 46 CFR 150 in conjunction with the compatibility group numbers from the "COMPAT GRP" column listed in the vessel's CAA.

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.

\*Stability and Trim\*

Cargo tanks must be loaded uniformly whenever a 46 CFR Subchapter "O" cargo is carried; for trim purposes, the weight of cargo in each tank may exceed the uniformly loaded tank cargo weight by at most 5 percent. Dept. of Home Sec., USCG, CG-841 (Rev 4-2000)(v2) Page 2 of 3



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

Certificate of Inspection

Vessel Name: KIRBY 28082

The maximum density of cargo which may be filled to the tank top is 8.745 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.

\*Vapor Control Authorization\*

In accordance with 46 CFR 39, excluding 46 CFR 39.4000, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letter Serial C2-0601234 dated June 08, 2006 and the list of authorized cargoes on the CAA, Serial C2-0601234 dated June 08, 2006 and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

In accordance with 46 CFR Part 39.1017 and 39.5001(e) this vessel's VCS has been evaluated and approved for multibreasted tandem loading with other vessels specifically approved to tandem load with this vessel.

### --- Inspection Status ---

### \*Cargo Tanks\*

0	Internal Exam	External E	xam
Tank Id	Previous Last	Next Previous	Last Next
#1 P	12Sep2006 09Nov20	16 30Sep2026 -	
#1 S	12Sep2006 09Nov20	16 30Sep2026 -	
#2 P	12Sep2006 09Nov20	16 30Sep2026 -	
#2 S	12Sep2006 09Nov20	16 30Sep2026 -	
#3 P	12Sep2006 09Nov20	16 30Sep2026 -	
#3 S	12Sep2006 09Nov20	16 30Sep2026 -	·
		Hydro Test	
Tank Id	Safety Valves	Previous Last	Next
#1 P	-		-
#1 S	-		
#2 P	-		- ,
#2 S			-
#3 P	-		-
#3 S	-		÷
Conditional Po	ortable Fire Extinguishe	r Requirements	
	Francfor of Cargo or Operation of		

Required Only During Transfer of Cargo or Operation of Barge Machinery

### --- Fire Fighting Equipment ---

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

Quantity

2

Class Type 40-B

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

Serial #: C2-0601234 Generated: 08-Jun-06



## Certificate of Inspection Cargo Authority Attachment

Shipyard: Trinity, Ashland City

Hull #: 4523

### Vessel Name: KIRBY 28082

Official #	1183301
Official #:	100000

46 CFR 151 Tank				ics			Tanks		Carg			mental	least a	Special Require	ments		
Tank Group Information	Cargo Ide	entificatio	on		Cargo		1 dilk5		Tran: Pipe	-	Control	Handling	Fire Protection Provided	General	Materials of Construction	Elec Haz	Tem Con
ink Grp Tanks in Group	Density I	Press,	Temp.	Hull Typ	Seg Tank	Туре	Vent	Gauge	Class	k	Tanks	Space	1	50-60 50-70(a).	1 55-1(b), (c), (e), (f).	NR	No
A #1P/S, #2P/S, #3P/S	13.6	Almos.	Amb.	n	1ii 2ii	Integral Gravity	PV	Closed	u	G-1	NR	NA		50-70(b), 50-73,			

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. 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.

#### f Authorized Cargoes

t of Authorized Cargoes Cargo Identification							Conditions of Carriage							
		Compat Group No	Sub Chapte	r Grade	Hu Tyj		Tank Group	Vapor Re App'd (Y or N)	1000	Special Requirements in 46 CFR 151 General and Mat'ls of Construction				
uthorized Subchapter O Cargoes	ATN	37	0	С		111	A	Yes	3	No				
cetonitrile	ACN	15 2	0	С		11	A	Yes	4	50-70(a), 55-1(e)				
crylonitrile	ADN	37	0	E		П	А	Yes	1	No				
diponitrile	AKN	34 2	0	NA	A	111	A	No	N/A	50-81, 50-86				
Ikyl(C7-C9) nitrates	AEE	8	0	E		111	A	Yes	1	55-1(b)				
minoethylethanolamine	ABX	43 2		N/	4	10	А	No	N/A	.50-73, 56-1(a), (b), (c)				
mmonium bisulfite solution (70% or less)		43 -	0	N		111	A	No	N/A	56-1(a), (b), (c), (f), (g)				
mmonium hydroxide (28% or less NH3)	AMH	33	0	N	-	<b>†</b>	А	No	N/A					
Inthracene oil (Coal tar fraction)	AHO	32	0	C		10	A	Yes	1	50-60				
00000	BNZ	32		c		10	А	Yes	1	,50-60				
Pantieno or hydrocarbon mixtures (having 10% Benzene or more)	BHB				-	111	A	Yes	1	50-60, 56-1(b), (d), (f), (g)				
Benzene or hydrocarbon mixtures (containing Acetylerie and 1070	BHA						A	Yes	1	.50-60				
Senzene or more) Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX		C		/C	101	A	Yes		50-70(a), 50-81(a), (b)				
Benzene, Toluene, Xylene mixtures (10X 2011	BAR	14	C			111	Ā	Yes		50-70(a), 50-81(a), (b)				
Butyl acrylate (all isomers)	BMH	1 14	C		-	111		Yes		.55-1(h)				
Butyl methacrylate	BAE	19	C				A	No	N/	A No				
Butyraldehyde (all isomers)	CPC	) 18	0		-		A	No	N/.					
Camphor oil (light)	CBT	36	(		<b>I</b> A	111	A		N/	22 70 FE 4(3)				
Carbon tetrachloride	CPS	5 5	2 (		A	111	A	No	N/	11 PR FF 4/3				
Caustic potash solution	CSS	5 5	2 (	1 0	A		A	No						
Caustic soda solution	CO	D 21	(	) E	Ē	11	A	No		No				
Chemical Oil (refined, containing phenolics)	CR	B 36	(	) C	D	Ш		Yes		No				
Chlorobenzene	CR	F 36	1	D I	E	(11	A	Ye		.50-73				
Chloroform	NC	т 33		D I	D	111	A	Ye		No				
Coal tar naphtha solvent	CC		2	D	E	111	A	Ye		No				
Creosote	CR			0	Ε	- 11	A	Ye		20 70 FE 4/h)				
Cresols (all isomers)	CS			0	NA	Ш	I A	No						
Cresylate spent caustic	CR			0	E		I A	·Ye		11 11 X				
Cresylic acid tar	CT		2	0	С	ll	A	Ye						
O uteraldebudo				0	С	1	I A	. No		I/A No				
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpiop	,			0	D		<u>н</u> А	, Ye	es 1					
acrolein) Cyclohexanone	CC			0	E	 			es 1					
Cyclohexanone, Cyclohexanol mixture	C		8 2	0	D				es 1	,56-1(a), (b), (c), (g)				
			7		D		11 A		es 1					
Cyclohexylamine Cyclopentadiene, Styrene, Benzene mixture	C			0	E		II A			2 .50-70(a), .50-81(a), (b), .55-1(c)				
Cyclopentatione, Styrene, Benzene mican- iso-Decyl acrylate	IA	1 1	4	0					-					

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



# Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28082

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Shipyard: Trinity, Ashland City

Hull #: 4523

official #: 1183301								Conditions of Carriage						
Cargo Identification	Chem Code	Compa Group N	·	Sub apter	Grade	Hull Type		ank roup	Vapor Re App'd (Y or N)		Spe ry Gen	cial Requirements in 46 CFR 15 neral and Mat'ls of Construction		
. Name	Code	Choop	1				0	-						
	DBX	36		0	Е	111		A	Yes	3	No	6-1(a), (b)		
chlorobenzene (all isomers)	DCH		_	0	С	111	5	A	Yes	1	_	and the second se		
1-Dichloroethane	DEE			0	D	Н		Α	Yes	1		5-1(f)		
2'-Dichloroethyl ether	DCM			0	NA	111	1.	A	No	N				
	DDE			0	Ε	111	I.	А	No	N		i6-1(a), (b), (c), (g)		
A Dichlorophenoxyacetic acid, diethanolamine salt solution	DAL		, 1,2	0	А	10	1	А	No	N	111	56-1(a), (b), (c), (g)		
a bit bit a sharewy acetic acid, dimethylamine sait solution	DTI		3 2	0	E	11	1	A	No			56-1(a), (b), (c), (g)		
4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DPE			0	С	11	I	Α	Yes	3		10		
,1-Dichloropropane	DPI	-		0	С	11	li -	А	Yes	3		lo		
.2-Dichloropropane				0	С	H	11	A	Yes	3		No		
.3-Dichloropropane	DP			0	D	11	I	Α	Yes	4		No		
.3-Dichloropropene	DP			0	C	1	-	А	Yes	1		No		
Dichloropropene, Dichloropropane mixtures	DM		5 8	0	Ĕ		н	А	Yes	1		55-1(c)		
Diethanolamine	DE		8 7	0	C			А	Yes	3	·	55-1(c)		
Diethylamine	DE		7 2	0	E		iii	A	Yes	1		55-1(c)		
Diethylenetriamine	DE		7	0	D		III	A	Yes	3	<i>,</i>	55-1(c)		
Diisobutylamine	DB			0	E		111	А	Yes		1	.55-1(c)		
	DI		8	0	C		11	A	Yes	;	3	55-1(c)		
Diisopropanolamine	DI		7	0	E		111	A	Yes	;	3	56-1(b)		
Diisopropylamine	DA		10		D		111	A	Yes	3	1	.56-1(b), (¢)		
N.N-Dimethylacetamide	D		8	0	D			A	Yes	6	1	55-1(e)		
Dimethylethanolamine	DI		10	0	C		11	A	Yes	_	3	55-1(c)		
Dimethylformamide		A	7	0			11	A	No		N/A	.56-1(b)		
Di-n-propylamine Dodecyldimethylamine, Tetradecyldimethylamine mixture	D	OT	7	0	E		11	A	No		N/A	No		
Dodecyldimethylamine, retraductylametry	D	OS	43	0	#			A	Ye		1	55-1(c)		
Dodecyl diphenyl ether disulfonate solution	M	EA	8	0	E		111 111	A	Ye		2	50-70(a), 50-81(a), (b)		
Ethanolamine	E	AC	14	0				A	No		N/A	.55-1(b)		
Ethyl acrylate	E	AN	7	0	-		11	A	Ye		3	.55-1(b)		
Ethylamine solution (72% or less)	E	BA	7	0			111	A	Ye		1	.55-1(b)		
N-Ethylbutylamine	E	CC	7	0		)	111.		Ye		1	No		
N-Ethylcyclohexylamine	E	TC	20	C		E		A	Ye	-	1	55-1(c)		
Ethylene cyanohydrin	E	DA	72	C		2	m	A			1	No		
Ethylenediamine	E	DC	36 2	C		0	III	A			N/A	No		
Ethylene dichloride	E	GH	40	C		E	111	A			1	No		
Ethylene glycol hexyl ether	E	GC	40	C		D/E	111	A		es	1	No		
Ethylene glycol monoalkyl ethers	E	GP	40	(		E	111	A		es	2	50-70(a), 50-81(a), (b)		
Ethylene glycol propyl ether	E	EAI	14	(		E	Ш	A		es	2	50-70(a)		
2-Ethylhexyl acrylate		ETM	14	(	С	D/E	Ш	A		es		No		
Ethyl methacrylate	_	EPA	19 2	2 (	C	E	111			es	1	.55-1(h)		
2-Ethyl-3-propylacrolein		FMS	19 2	2 (	С	D/E	111			'es	1	55-1(h)		
Formaldehyde solution (37% to 50%)		FFA	19		0	E	-111			'es	1			
Furfural		GTA	19		0	NA	111			10	N/A	_55-1(c)		
Glutaraldehyde solution (50% or less)		HMC	7		0	E	- 111	1	-	res	1	.56-1(b), (c)		
Hexamethylenediamine solution		HMI	7		0	С	Ш	. /		/es	1	50-70(a), 50-81(a), (b)		
Hexamethyleneimine		HFN	20		0	С	111			Yes	1			
Hydrocarbon 5-9	-	IPR	30	-	0	А	III		A I	No	N/A			
Isoprene		IPN		-	0	В	111	1	A	No	N/A	an 70 55 4(n) (c) (d)		
P to diago mixturo		KPL	5		0	NA	W	1	A	No	N/A	2 50-13, 50-1(a), (c), (a)		
Kraft pulping liquors (free alkali content 3% or more)(including: black	<,	NFL	5		-		_	_			-	No		
			-	-	-	-	11	T.	A	Yes	1			
Green, or White liquor)		MSO	18	2	0	D	11			Yes	2	50-70(a), 50-81(a), (b)		

Methyl acrylate

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## United States Coast Guard Certificate of Inspection Cargo Authority Attachment

Department of Homeland Security

Vessel Name: KIRBY 28082 Official #: 1183301

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Shipyard: Trinity, Ashland City

Serial #: C2-0601234

Generated: 08-Jun-06

Hull #: 4523

Cargo Identification					-						of Carriage
	Chem Code	Compat Group No	Sub Chapte	er Gra	H ade T	-lull 'ype	Tank Group	Vapor Re App'd (Y or N)	VCS Catego		acial Requirements in 46 CFR 151 neral and Mat'ls of Construction
Name	1										
	мск	30	0		С	10	А	Yes	(1	N	
ethylcyclopentadiene dimer	MDE	8	0		E	ш	А	Yes	1		56-1(b), (c)
ethyl diethanolamine	MEP	9	0		E	111	A	Yes	1		55-1(e) 50-70(a), 50-81(a), (b)
Methyl-5-ethylpyridine	MMN		0	-	С	\$11	A	Yes	2		
ethyl methacrylate	MPR	· .	0		D	111	А	Yes	3		55-1(c) 50-70(a), .50-81(a). (b)
Methylpyridine	MSR		0		D	111	A	Yes	2		
pha-Methylstyrene	MPL	7			D	111	А	Yes	1		55-1(c)
torpholine	NPM		0		D	111	A	Yes	1		50-81
- or 2-Nitropropane	PDE		0		A	111	А	No		117	50-70(a), 50-81
3-Pentadiene	PDE		C		NA	111	А	No	N	/A	No
erchloroethylene					E	111	A	Yes	1		55-1(e)
Polyethylene polyamines	PEB		C		E	Ш	А	Yes	1		.55-1(c)
so-Propanolamine	MPA		0		E	ш	А	Yes	1		56-1(b), (¢)
propanolamine (iso-, n-)	PA	(8 7		5	A	11	А	Yes	5		.55-1(c)
so-Propylamine	IPP		_	5	C	111	A	Yes	4		55-1(e)
	PR			) )	-	111	A	No	1	N/A	50-73, 55-1(j)
Pyridine Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAF			0	NA	Ш	А	No	1	N/A	50-73, 56-1(a), (b), (c)
Sodium acetate, Gyoo, Water Mana ( Sodium aluminate solution (45% or less)	SA			-	NA			No	1	N/A	50-73
Sodium aluminate solution (50% or less)	SD			0		- 11		No		N/A	50-73, 56-1(a), (b)
Sodium chlorate solution (30% or less) Sodium hypochlorite solution (20% or less)	SH			0	NA	10		Ye	s	1	50-73, 55-1(b)
Sodium hypochionic solution (25 % of 150) Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SS			0				No		N/A	.50-73, 55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less	SS	1 0	1.2	0	NA	III					
			) 1,2	0	NA	11	A	No		N/A	.50-73, .55-1(b)
than 200 ppm) Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SS			0	D	11		Ye	s	2	No
Sodium sunde, nyarosanos en	ST			0	D	11		Ye	s	2	.50-70(a), 50-81(a), (b)
Styrene (crude)	ST	_		0	NA	11		No	>	N/A	No
Styrene monomer 1,1,2,2-Tetrachloroethane	TE			0	E	1		Ye	s	1	55-1(c)
	П	-	7		C	1			es	1	50-70(b)
Tetraethylenepentamine	TH			0	E	I			C	N/A	50-73, 56-1(a), (b), (c), (g)
Tetrahydrofuran	T		9	0	E		II A		es	1	No
Toluenediamine			6	0	NA			4 - Y	es	1	50-73, 56-1(a)
1,2,4-Trichlorobenzene	T		6	0					es	1	No
1,1,2-Trichloroethane	T		16 <sup>2</sup>	0	NA				es	3	.50-73, .56-1(a)
Trichloroethylene	T	CN 3	36	0	E				es	1	.55-1(b)
1,2,3-Trichloropropane	Т	EA	8 2	0	E				ės	3	,55-1(e)
Triethanolamine	Т	EN	7	0	С	_		<u>_</u>	es	1	55-1(b)
Triethylamine	Т	ET	7 2	0	E				10	N/A	.56-1(a), (b), (c)
Triethylenetetramine	Т	РВ	5	0	N/				10	N/A	50 70 50 1(a) (c)
Triphenylborane (10% or less), caustic soda solution	Т	SP	5	0	N					N/A	56 4/6)
Trisodium phosphate solution	L	JAS	6	0	N				10	N/A	
Urea, Armonium nitrate solution (containing more than 2% NH3)	1	/BL	5	0	N				NO VOS	2	50-70(a), 50-81(a), (b)
Vanillin black liquor (free alkali content, 3% or more).	١	/AM	13	0	С				res	2 N/A	70 70(-) 60 81(2) (b)
Vinyl acetate	1	ND	13	0	E		ш		No	2	.50-70(a), .50-81, .56-1(a), (b), (c), (c)
Vinyl neodecanate		VNT	13	0	D		111	A	Yes	2	
VinyItoluene	-			-							
Subchapter D Cargoes Authorized for Vapor Contro	9		01					A	Yes	1	
		ACT	18 <sup>2</sup>	D					Yes	1	00.W
Acetone		ACP	18	D		1.00	1010	6 ( S ( S	Yes	1	
Acetophenone		APU	20	D					Yes	1	
Alcohol(C12-C16) poly(1-6)ethoxylates Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	-	AEB	20	D		_			Yes	1	
Alcohol(C6-C17)(secondary) poly(7-12)emoxylates Amyl acetate (all isomers) *** This document is only valid when atta		AEC	34	D	, Г	C		A	162		

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Serial #: C2-0601234 Generated: 08-Jun-06



## Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28082

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Shipyard: Trinity, Ashland City

Hull #: 4523

Official #: 1183301		-				1	Co	onditi	ons of Carriage
Cargo Identification			1			1		Recovery	
2	Chem Code	Compa Group N	t Su Io Char	b oter Gr	Hull ade Type	Tank Group	App'd (Y or N)	VCS Calego	Special Requirements in 46 CFR 151 ory General and Mat'ls of Construction
Name	1		1						
	AAI	20			D	A	Yes		
nyl alcohol (iso-, n-, sec-, primary)	BAL	21			E	A	Yes		
enzyl alcohol ake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, ake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, ake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols,	BFX	20	1	D	E	-	100		
biyalkylene(C2-C10) giycor monoaling (Cara a g					D	A	Yes	; 1	
sters) utyl acetate (all isomers)	BAX	1		D	D	A	Yes	5 1	
	IAL			D	D	A	Yes	s 1	
utyl alcohol (iso-)	BAN			D	C	A	Ye	s 1	
utyl alcohol (n-)	BAS			D	c	A	Ye	s 1	
utyl alcohol (sec-)	BA			D	E	A	Ye		
utyl alcohol (tert-)	BPI	1.000		D		A	Ye		
utyl benzyl phthalate	BU			D	D	A	Ye		
utyl toluene	CL			D	E	A	Ye		1
Caprolactam solutions	СН			D	C	A			1
Cyclohexane	CH			D	E				2
Cyclohexanol	CP	D 3	0	D	D/E	A		-	1
1,3-Cyclopentadiene dimer (molten)	CN	AP 3	2	D	D	A			1
p-Cymene	ID	A 1	9	D	E	A			1
so-Decaldehyde	DA	AL 1	9	D	E	A			1
n-Decaldehyde	DC	CE (	30	D	D	A			1
Decene	DA	AX :	20 2	D	E	A			1
Decyl alcohol (all isomers)	DE	3Z 3	32	D	E	A		es	and the second se
n-Decylbenzene, see Alkyl(C9+)benzenes	D	AA :	20 2	D	Е	A		es	1
Diacetone alcohol			34	D	E	A		es	1
ortho-Dibutyl phthalate			32	D	D	A	A Y	es	1
Diethylbenzene			40 <sup>2</sup>	D	E	ŀ		es	1
Diethylene glycol			30	D	С	ŀ	4 Y	'es	1
Diisobutylene		IK	18	D	D		A 1	'es	1
Dijsobutyl ketone		IX	32	D	E		A Y	/es	1
Diisopropylbenzene (all isomers)		TL	34	D	E		A	res	1
Dimethyl phthalate			34	D	E		A `	res	1 .
Dioctyl phthalate		OP		D	D		A	Yes	1
Dipentene		PN	30	D	D/E		A	Yes	1
		NL	32		E		A	Yes	1
Diphenyl Diphenyl, Diphenyl ether mixtures		DO	33	D	{E}			Yes	1
		DPE	41	D	E			Yes	1
Diphenyl ether		OPG	40	D	E			Yes	1
Dipropylene glycol		DFF	33	D					. 1
Distillates: Flashed feed stocks		DSR	33	D	E			Yes	1
Distillates: Straight run		DOZ	30	D	D		A	Yes	1
Dodecene (all isomers)		DDB	32	D	E			Yes	1
Dodecylbenzene, see Alkyl(C9+)benzenes		EEA	34	D	D		A		1
2-Ethoxyethyl acetate		ETG	40	D	E		A	Yes	1
Ethoxy triglycol (crude)		ETA	34	D	С		A	Yes	a '+-
Ethyl acetate		EAA	34	D	E	_	A	Yes	1
Ethyl acetoacetate		EAL	20 2	D	С		A	Yes	1
Ethyl alcohol		ETB	32	D	С		А	Yes	1
Ethylbenzene		EBT	20	D			A	Yes	
Ethyl butanol	10.00	EBE	41	D	- 19 ST 7		Α	Yes	1
Ethyl tert-butyl ether		EBE	34	D			А	Yes	1
									1

Ethyl cyclohexane

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### Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28082 Official #: 1183301

Page 5 of 8

Shipyard: Trinity, Ashland City Hull #: 4523

Cargo Identification							Co	nditio	ons of Carriage
			1			7	Vapor R	ecovery VCS	Special Requirements in 46 CFR 151
Name	Chem Code	Compat Group No	Sub Chapte	r Grade	Hull Туре	Tank Group	App'd (Y or N)	Category	General and Mat'ls of Construction
	EGL	20 <sup>2</sup>	D	E		А	Yes	1	
Ethylene glycol Ethylene glycol butyl ether acetate	EMA	34	D	E		А	Yes	1	
	EGY	34	D	E		А	Yes	1	
	EPE	40	D	E		A	Yes	1	
Ethylene glycol phenyl ether	EEP	34	D	E		А	Yes	1	
Ethyl-3-ethoxypropionate	EHX	20	D	Е		A	Yes	1	
2-Ethylhexanol	EPR	34	D	С	1000	A	Yes	1	
Ethyl propionate	ETE	32	D	Ε		A	Yes	1	
Ethyl toluene	FAM	10	D	E		А	Yes	1	
Formamide	FAL	20 <sup>2</sup>	D	E		А	Yes	1	
Furfuryl alcohol	GAK		Ð	A/C		A	Yes	1	
Gasoline blending stocks: Alkylates	GRF	33	D	A/C		A	Yes	1	
Gasoline blending stocks: Reformates	GAT	33	D	С		A	Yes	1	
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAV	33	D	c		A	Yes	î	
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GCS		D	A/C		A	Yes	1	
Gasolines: Casinghead (natural)	GPL	33	D	A/C		A	Yes	1	
Gasolines: Polymer	GSR		D	A/C		A	Yes	1	
Gasolines: Straight run	GCR			E		A	Yes	1	
Glycerine	HMX		D	C		A	Yes	1	
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HEP		D	E		A	Yes	1	
Heptanoic acid	HTX		D	D/E		A	Yes	1	
Heptanol (all isomers)			D	C		A	Yes	2	
Heptene (all isomers)	HPX		D	D		A	Yes	1	• 2
Heptyl acetate	HPE			B/C		A	Yes	1	
Hexane (all isomers), see Alkanes (C6-C9)	HXS			E		A	Yes	1	
Hexanoic acid	HXO		D	D		A	Yes	1	
Hexanol	HXN		D	C		A	Yes	2	
Hexene (all isomers)	HEX		D			A	Yes	1	
Hexylene glycol	HXG		D	E			Yes	1	
Isophorone	IPH	18 2		E		A	Yes	1	
Jet fuel: JP-4	JPF	33	D	E		A	Yes	1	
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		A			
Kerosene	KRS		D	D		A	Yes		
Methyl acetate	MTT		D	D		A	Yes		
Methyl alcohol	MAL			С		A	Yes		
Methylamyl acetate	MAC		D	D		A	Yes	215	
Methylamyl alcohol	MAA	4 20	D	D	-	A	Yes		
Methyl amyl ketone	MAK		D	D		A	Yes		
Methyl tert-butyl ether	MBE	= 41 <sup>2</sup>	? D	С		A	Yes		
Methyl butyl ketone	MBK	K 18	D	С		A	Yes		
Methyl butyrate	MBU	J 34	D	С		A	Yes		
Methyl ethyl ketone	MEK	< 18 <sup>2</sup>	2 D	С		A	Yes		
Methyl heptyl ketone	MH	<b>〈</b> 18	D	D		A	Yes		
Methyl isobutyl ketone	MIK	18 2	2 D	С		A	Yes	. 1	
Methyl naphthalene (molten)	MNA	A 32	D	E		A	Yes		
Meny naphthalene (molen)	MNS	5 33	D	D		A	Yes		
	MR		D	D		A	Yes	1	
Myrcene	NAG		D	#		A	Yes	1	
Naphtha: Heavy	PTN	1.000	D	#		A	Yes	1	
Naphtha: Petroleum	NSV		D	D		A	Yes	1	

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# Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28082

Page 6 of 8

Shipyard: Trinity, Ashland City

Hull #: 4523

fficial #: 1183301								Conditions of Carriage					
Cargo Identification	l		N 21	_	-	-	Vapor Recovery Tank App'd VCS Special Requirements in 46 CFR 151						
		Comp Group	at Si No Cha	ub apter G	irade	Hull Type	Tank Group				ecial Requirements in 40 cr 4 101		
Name			-					Yes	. 1				
aphtha: Stoddard solvent	NSS			D	D	-	A	Yes					
aphtha: Varnish makers and painters (75%)	NVM		-	D	D		A	Yes	s 1				
ponane (all isomers), see Alkanes (C6-C9)	NAX			D	D		A	Ye	s 2				
onane (all isomers), see / interes (	NO		0	D	E		А	Ye	s 1		19-1 1		
onene (all isomers)	NNS		20 2	D	E		А	Ye	s 1				
onyl alcohol (all isomers)	NNE		21	D	E		A	Ye	s 1				
onyl phenol	NPE		10	D	C		A	Ye	is 1				
cnyl phenol poly(4+)ethoxylates ctane (all isomers), see Alkanes (C6-C9)	OA	-	31		E		А	Ye	s 1				
ctane (all isomers), see Alkanes (co co)	, OA		4	D	E		A	Ye	s				
ctanoic acid (all isomers)	00		20 2	D	-		A	Ye	es i	2			
octanol (all isomers)	OT		30	D	C		A	Ye		1			
Octene (all isomers)	OT		33	D	D/E	-	A			1			
Dil, fuel: No. 2	OT	D	33	D	D	-	A			1			
Dil, fuel: No. 2-D	OF	R	33	D	D/{	_	A			1			
Dil, fuel: No. 4	OF	V	33	D	D/I	E				1			
Dil, fuel: No. 5	05	SX	33	D	E		A		00	1			
Dil, fuel: No. 6	OI	L	33	D	C/		A			1			
Dil, misc: Crude	O	DS	33	D	D/	E	A			1			
Oil, misc: Diesel	OI	В	33	D	E		A		'es	1			
Oil, misc: Lubricating	0	RL	33	D	E		A		'es				
Oil, misc: Residual		тв	33	D	E		A		les	1			
Oil, misc: Turbine		TY	31	D	A		A		res	5			
Pentane (all isomers)		тх	30	D	A		A		res	5			
Pentene (all isomers)		10	30	D	D	)	A		Yes	1			
alpha-Pinene		IP	30	D	D	)	Ą		Yes	1			
hata Binane		AG	40	D	E		A	1	Yes	1			
n w/a availy/long alvcol monoalkyl(C1-C6) ether		AF	34	D	E		ŀ	4	Yes	1			
Poly(2-6)alkylene glycol monoalkyl(C1-C6) ether acetate		PLB	30	D	Ε		ł	A	Yes	1			
			40	D			1	4	Yes	1			
Polybutene Polypropylene glycol		SC	34	D		0	1	Ą	Yes	1			
		AC		D	-	C		A	Yes	1			
iso-Propyl acetate		PAT	34			C		A	Yes	1			
n-Propyl acetate		PA	20 2			c		A	Yes	1			
iso-Propyl alcohol		PAL	20 2			D		A	Yes	1			
n-Propyl alcohol		PBY	32	D		_		A	Yes	1			
Propylbenzene (all isomers)	the second s	IPX	31	C		D	1	A	Yes	1			
iso-Propylcyclohexane	÷	PPG	20 2			E		A	Yes	1			
Propylene glycol		PGN	34	0	-	D			Yes	1			
Propylene glycol methyl ether acetate		PTT	30	E	)	D		A	Yes	1			
Propylene tetramer		SFL	39	[	)	E		A		1			
Sulfolane	4	TTG	40	ſ	)	Е		A	Yes	1	4,000		
Tetraethylene glycol		THN	32	ī	D	E		A	Yes	1			
Tetrahydronaphthalene		TOL	32		C	С		A	Yes				
Teluana		TCP	34		D	Ε		А	Yes	1	A 44711 - 112 - 32		
Tricresyl phosphate (less than 1% of the ortho isomer)	×	TEB	32		D	E		А	Yes				
Triethylbenzene		TEG	40		D	E		А	Yes	1			
Triethylene glycol		TPS	34		D	E		А	Yes	1			
Triethyl phosphate				-	D	{D}		A	Yes	1			
Triethyl phosphate Trimethylbenzene (all isomers)		TRE		- F(b)	D	E		A	Yes	1	and the second se		
		TRP				D/E		A	Yes	1			
Trixylenyl phosphate		UDC	30		D	UIE				- 20	and the second se		

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Serial #: C2-0601234 Generated: 08-Jun-06



## Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28082

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Shipyard: Trinity, Ashland City

Hull #: 4523

Official #: 1183301							Conditions of Carriage			
P	Cargo Identification		Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor R App'd (Y or N)		Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Name		1			_	2	٨	Yes	1	e e
		UNE	20	D	E		A		1	
I-Undecyl alcohol		XLX	32	D	D		A	Yes	_	
Xylenes (ortho-, meta-, para-)							8			



## **Certificate of Inspection** Cargo Authority Attachment

Vessel Name: KIRBY 28082 Official #: 1183301

Page 8 of 8

Shipyard: Trinity, Ashlan Hull #: 4523

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

xplanation of ter	see and sea Table 2
Cargo Identification	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.
Name	The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 40 CFR table (CHRIS) Manual. The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.
Chem Code none	Certain mixtures of cargots and for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance must be checked for compatibility using the figures, tables,
Compatability Group No.	Certain mixtures of cargoes may not have a Christ code datafastic constraints in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.1.30, the Persuman constraints in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.1.30, the Persuman constraints in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.1.30, the Persuman constraints in 46 CFR Part 150 are met. Cargoes must be checked for compatibility mergines, tables, the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using 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 Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a 20053-0001. Telephone are the compatibility information, contact Commandant (G-MSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone
Note 1	Char, For additional compared
Note 2	(202) 267-1217.
	The subchanter in Title 46 Code of Federal Regulations under which the cargo has been classified
Subchapter Subchapter D	The subchapter in Title 46 Code of Federal Regulators of the 30.25-1. 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 hazardous cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges.
Subchapter O	Those hazardous cargoes insection 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in dout and the cargoes when carried in dout and the cargoes when carried in dout and the cargoes when
Note 3	Index cargoes instead where the barrier of the second
Grade	Those hazardood stagged in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted the stagged listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted the stagged listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted the stagged listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted the stagged listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted the stagged listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted the stagged listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted listed listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted listed listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when denoted listed l
	that grade of cargo. Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
A, B, C	that grade of cargo. Flammable liquid cargoes, as defined in 46 CFR 30-10.22. Combustible liquid cargoes, as defined in 46 CFR 30-10.15. 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 The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the combustible liquid cargoes, as defined in 46 CFR 30-10.15.
D, E Note 4	Combustible liquid cargoes, as defined in 40 of these cargoes may vary depending upon the flashpoint and read vapor process. The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and read of cargo, cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo, cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
Note 4	cargo grade based on Manufacturers data and elaborating of another the state of the
NA	The harmanistic control based on Manufacturers data and ensure that the barge is autoritized to during grade based on Manufacturers data and ensure that the barge is autoritized to during the liquid. 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 flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for Such assignments are presently not available.
#	on the CER 151 10-1(b)(1).
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 which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3). Designed to carry products which require in the arrow of require a moderate degree of control. See 46 CFR 151.10-1(b)(4).
Huiriype	Designed to carry products which require significant preventive measures to preclude the uncontrolled fields of days of days of the second set of the second
ii.	Designed to carry products the area to require a moderate degree of control. See to a
III NA	Designed to carry products of sundam nacional to be a series of the seri
19/2	
Conditions of Carriage	the two subsciences for carriage of the named cargo.
Tank Group	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Vapor Recovery	The vessel's tank group (as defined and exproved by the MSC to control vapors of the specified cargo. Yes: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
Approved (Y or N)	No: The vessels vica has been revealed
Conditions of Carriage	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.
	The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics listed on page 47 million
Tank Group	The vessel's talk group (so cannot be and approved by the MSC to control vapors of the specified cargo. Yes: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
Vapor Recovery Approved (Y or N)	
VCS Calegory:	The specified cargo's provisional classification for vapor control systems. (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 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 0.000 (CFR) apply to these cargoes. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b))
Category 1	(No additional VCS requirements above those for benzene, gasolines and crude oil) At requirements vapor control systems are in 33 CFR 155.750, 33 CFR 39.30-1(b)) 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 39.30-1(b)) and 46 Code of Federal Regulations (CFR 39.17b cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) 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)) 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 calculation (46 CF
	cFR 156, 170, 46 CFR 35,35 and 46 CFR 39. The cargo tank verning system carbonary of the carbonary of the carbonary transfer and verning system carbonary of the carbonary of the carbonary transfer to the carbonary of the carbon
	must use appropriate incorr reported to the second by fouling safety componenets and resoluting the build up to pot
Calegory 2	and residue build-up of these cargoes can adversely and an average safety components are functional and particular charge Marine
Category 2	lead to cargo tank over plane due to increased pressure in the vapor control plane and set ast normally considered a monomer can be a problem in asterior
	(Polymerizes) Polymerization and resider in the vessel's owner must develop a method of ensuing an voice and vessel by the local officer in charge, intervestigation and the local officer in charge, intervestigation and used to cargo tanks. The method shall be acceptable to the local officer in charge, intervestigation and used to cargo tanks and used tanget the tanget tand tanget tanget tanget tang
	inspection, this same set in a second use a spill valve or rupture disk as the primary means to meet the overmit protection requirement of
Calegory 3	Causing an unsate conduction to the requirements of Category 1. Please note that a material normality extension. This is in addition to the requirements of Category 1. Please note that a material normality extension of the overfill protection requirement of 46 CFR 39.20-9. (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.
	the second vapores of Categories 1, 2 and 3.
Category 4	(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3. (Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3. (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 mixture densities and vapor growth rates as compared to Category 1.
Category 5	(High vapor pressure) VCS pressure around takes as compared to Category 1cargoes. Consult the Marine Safety Center's VCC Category and the Category 1cargoes.
00103-1	mixture densities and value to be requirements of Category 1.
	history with requirements of Categories 1, 0 and 1
Category 6	(High vapor pressure and highly toxic) must comply with requirements of Categories 1, 2 and 5. (High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5.
Category 7	(High vapor pressure and polymentes) must compre in a control systems.
• none	The cargo has not been evaluated/classified for use in vapor control systems.