



UNITED STATES OF AMERICA
U.S. DEPARTMENT OF HOMELAND SECURITY
UNITED STATES COAST GUARD

TEMPORARY CERTIFICATE OF INSPECTION

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This Temporary Certificate of Inspection is issued under the provisions of Title 46 United States Code, Section 399, in lieu of the regular certificate of inspection, and shall be in force only until the receipt on board said vessel of the original certificate of inspection, this certificate in no case to be valid after one year from the date of inspection.

VESSEL		KIRBY 28040		OFFICIAL NUMBER	1170367
CLASS	TANK BARGE	GROSS TONS	1619	HOME PORT	NAT'L VESSEL DOCUMENTATION CENTER
OWNER/ADDRESS			OPERATOR/ADDRESS		
KIRBY INLAND MARINE, LLP 55 WAUGH DRIVE, SUITE 1000 HOUSTON, TX 77007			KIRBY INLAND MARINE, LLP 16402 1/2 DE ZAVALA CHANNELVIEW, TX 77530		

The following complement of licensed officers and crew is required to be carried; included in which there must be 0 Certificated Lifeboatmen and 0 Certificated Tankermen:

Master	Master & 1st Class Pilot	Able Seamen	Chief Engineer	Fireman/Watertenders
Chief Mate	Class Pilot	Ordinary Seamen	1st Asst. Engineer	Oilers
2nd Mate	Radio Officer	Deckhands	2nd Asst. Engineer	
Mate(s)	Operator(s)		Engineer(s)	

In addition the vessel may carry 0 other persons in the crew, 0 passengers, 0 persons in addition to the crew, and N/A. Total persons allowed 0.

Maximum steam pressure allowed	<u>N/A</u> p.s.i.	DATE DRYDOCKED	13NOV2015
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ROUTE PERMITTED AND CONDITIONS OF OPERATION

LAKES, BAYS AND SOUNDS
FRESH WATER SERVICE
TBSIP PROGRAM

INSPECTED AND APPROVED FOR THE CARRIAGE OF
GRADE "A" AND LOWER. SPECIFIED HAZARDOUS CARGOES AUTHORIZED BY CARGO AUTHORITY
ATTACHMENT, SERIAL # C2-0503719 DATED 17 FEBRUARY 2005.

Inspection of the above vessel was completed on 13NOV15 I HEREBY CERTIFY that on this date the vessel was in all respects in conformity with applicable vessel inspection laws and regulations prescribed thereunder.

OFFICER IN CHARGE, MARINE INSPECTION <u>CDR LOAN T. O'BRIEN</u>	INSPECTION ZONE MSU PORT ARTHUR, TX
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Certificate of Inspection

Department of Homeland Security
United States Coast Guard

Serial #: CG-0503719
Generated: 17-Feb-06

Vessel Name: KIRBY 28040

Official #: 1170387

Hull #: 153

Shipyard: West Gulf Marine

46 CFR 151 Tank Group Characteristics

49 CFR 191 TANK GROUP CARGO IDENTIFICATION															
Tank Group Information	Cargo Identification			Tank	Type	Vent	Gauge	Pipe Class	Conf	Tanks	Handling	Fire Protection	General	Materials of Construction	
	Ident	Type	Temp.												
Tank Group Information	Ident	Type	Temp.	Hull	Cargo	Type	Vent	Gauge	Pipe Class	Conf	Tanks	Handling	Fire Protection	General	Materials of Construction
A 1-2 PB															
15B Atmos. Amb.															
B 10 Ungrd PV															
21 Grady															
Closed															
G-1 NR															
NA															
Portable															
50-50, 50-70A															
50-70A, 50-73															
50-70A, 50-73 (a), 50-73 (b), 50-73 (c), 50-73 (d), 50-73 (e), 50-73 (f), 50-73 (g), 50-73 (h), 50-73 (i), 50-73 (j), 50-73 (k), 50-73 (l), 50-73 (m), 50-73 (n), 50-73 (o), 50-73 (p), 50-73 (q), 50-73 (r), 50-73 (s), 50-73 (t), 50-73 (u), 50-73 (v), 50-73 (w), 50-73 (x), 50-73 (y), 50-73 (z)															

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, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks. 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 Identification		Conditions of Carriage									
Name	Chem Code	Correct No	Sub Chapter	Grade	Haz Type	Tank Group	Vapor Recovery	Appd VCS	Category	Special Requirements in 46 CFR 151	General and Limits of Construction

Authorized Subchapter C Cargoes

Acetic acid	AAC	42	O	D	III	A	Yes	1	50-73, 55-15	Yes	1
Acetic anhydride	ACA	11	O	D	III	A	Yes	1	50-73, 55-15	Yes	1
Acetonitrile	ATN	37	O	C	III	A	Yes	3	No	Yes	3
Acrylonitrile	ACN	46	O	C	II	A	Yes	4	50-70A, 55-15	Yes	4
Adiponitrile	ADN	37	O	E	II	A	Yes	1	No	Yes	1
Alkyl(C7-C9) nitrates	AMN	34	O	NA	III	A	No	N/A	50-41, 50-42	No	N/A
Aminodihydroquinoline	AEE	8	O	E	III	A	Yes	1	50-10	Yes	1
Aminotrium boric acid solution (70% or less)	ABX	43	O	NA	III	A	No	N/A	50-73, 55-15, 50-73 (a), 50-73 (b), 50-73 (c), 50-73 (d), 50-73 (e), 50-73 (f), 50-73 (g), 50-73 (h), 50-73 (i), 50-73 (j), 50-73 (k), 50-73 (l), 50-73 (m), 50-73 (n), 50-73 (o), 50-73 (p), 50-73 (q), 50-73 (r), 50-73 (s), 50-73 (t), 50-73 (u), 50-73 (v), 50-73 (w), 50-73 (x), 50-73 (y), 50-73 (z)	No	N/A
Ammonium hydrosulfide (20% or less NH3)	AMH	8	O	NA	III	A	No	N/A	50-10, 50-73, 50-73 (a), 50-73 (b), 50-73 (c), 50-73 (d), 50-73 (e), 50-73 (f), 50-73 (g), 50-73 (h), 50-73 (i), 50-73 (j), 50-73 (k), 50-73 (l), 50-73 (m), 50-73 (n), 50-73 (o), 50-73 (p), 50-73 (q), 50-73 (r), 50-73 (s), 50-73 (t), 50-73 (u), 50-73 (v), 50-73 (w), 50-73 (x), 50-73 (y), 50-73 (z)	No	N/A
Artificial oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No	Yes	1
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32	O	C	III	A	Yes	1	50-40	Yes	1
Benzene or more	BHA	32	O	C	III	A	Yes	1	50-40, 55-15, 50-73, 50-73 (a), 50-73 (b), 50-73 (c), 50-73 (d), 50-73 (e), 50-73 (f), 50-73 (g), 50-73 (h), 50-73 (i), 50-73 (j), 50-73 (k), 50-73 (l), 50-73 (m), 50-73 (n), 50-73 (o), 50-73 (p), 50-73 (q), 50-73 (r), 50-73 (s), 50-73 (t), 50-73 (u), 50-73 (v), 50-73 (w), 50-73 (x), 50-73 (y), 50-73 (z)	Yes	1
Benzene or more	BTX	32	O	B/C	III	A	Yes	1	50-40	Yes	1
Buryl acrylate (all isomers)	BAR	14	O	D	III	A	Yes	2	50-70A, 50-73, 50-73 (a), 50-73 (b), 50-73 (c), 50-73 (d), 50-73 (e), 50-73 (f), 50-73 (g), 50-73 (h), 50-73 (i), 50-73 (j), 50-73 (k), 50-73 (l), 50-73 (m), 50-73 (n), 50-73 (o), 50-73 (p), 50-73 (q), 50-73 (r), 50-73 (s), 50-73 (t), 50-73 (u), 50-73 (v), 50-73 (w), 50-73 (x), 50-73 (y), 50-73 (z)	Yes	2
Buryl methacrylate	BMH	14	O	D	III	A	Yes	2	50-70A, 50-73, 50-73 (a), 50-73 (b), 50-73 (c), 50-73 (d), 50-73 (e), 50-73 (f), 50-73 (g), 50-73 (h), 50-73 (i), 50-73 (j), 50-73 (k), 50-73 (l), 50-73 (m), 50-73 (n), 50-73 (o), 50-73 (p), 50-73 (q), 50-73 (r), 50-73 (s), 50-73 (t), 50-73 (u), 50-73 (v), 50-73 (w), 50-73 (x), 50-73 (y), 50-73 (z)	Yes	2
Buryl acrylate (all isomers)	BAE	19	O	C	III	A	Yes	1	50-15	Yes	1
Carbon tetrachloride	CPT	18	O	D	II	A	No	N/A	No	Yes	1
Carbon tetrachloride	COO	21	O	E	II	A	No	N/A	No	Yes	1
Chemical Oil (refined, containing phenols)	CRB	36	O	D	III	A	Yes	1	No	Yes	1
Chloroform	CRF	36	O	E	III	A	Yes	3	No	Yes	3
Coal tar naphtha solvent	NCT	39	O	D	III	A	Yes	1	50-73	Yes	1
Creosote	CCW	21	O	E	III	A	Yes	1	No	Yes	1
Creosote (all isomers)	CRS	21	O	E	III	A	Yes	1	No	Yes	1
Creosote	CSC	8	O	NA	III	A	No	N/A	50-73, 55-15	No	N/A
Crystalline acid tar	CRX	19	O	E	III	A	Yes	4	50-70	Yes	4
Crystalline acid tar	CTA	19	O	C	II	A	Yes	4	50-70	Yes	4
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylacryl acetate)	CHG	0	O	C	III	A	No	N/A	No	Yes	1
Cyclohexanone	CCH	18	O	D	III	A	Yes	1	50-70	Yes	1
Cyclohexanone, Cyclohexanone mixture	CYX	18	O	E	III	A	Yes	1	50-70	Yes	1
Cyclohexanone	CHA	18	O	D	III	A	Yes	1	50-70, 50-73, 50-73 (a), 50-73 (b), 50-73 (c), 50-73 (d), 50-73 (e), 50-73 (f), 50-73 (g), 50-73 (h), 50-73 (i), 50-73 (j), 50-73 (k), 50-73 (l), 50-73 (m), 50-73 (n), 50-73 (o), 50-73 (p), 50-73 (q), 50-73 (r), 50-73 (s), 50-73 (t), 50-73 (u), 50-73 (v), 50-73 (w), 50-73 (x), 50-73 (y), 50-73 (z)	Yes	1

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Department of Homeland Security
United States Coast Guard

Serial #: C2-0503719
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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28040
Official #: 1170387

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Shipyard: West Gulf Marine
Hull #: 153

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Notes of Construction
							Appl'd (Y or N)	VCS Category	
Cyclopentadiene, Styrene, Benzene mixture	CSS	30	O	D	III	A	Yes	1	.50-50, .50-1(p)
Iso-Decyl acrylate	IAI	14	O	E	III	A	Yes	2	.50-70(p), .50-81(p), (q), .50-1(c)
Dichlorobenzene (all isomers)	DBX	38	O	E	III	A	Yes	3	.50-1(a), (p)
1,1-Dichloroethane	DCH	38	O	C	III	A	Yes	1	No
2,2-Dichloroethyl ether	DEE	41	O	D	II	A	Yes	1	.50-1(f)
Dichloromethane	DCM	38	O	NA	III	A	No	N/A	No
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	E	III	A	No	N/A	.50-1(c), (d), (e), (u)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 ^{1,2}	O	A	III	A	No	N/A	.50-1(a), (p), (q), (u), (v)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)	DDA		O	LPG	III	A	No	N/A	.50-1(b)
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 ²	O	E	III	A	No	N/A	.50-1(a), (p), (q), (u)
1,1-Dichloropropane	DPB	38	O	C	III	A	Yes	3	No
1,2-Dichloropropane	DPP	38	O	C	III	A	Yes	3	No
1,3-Dichloropropane	DPC	38	O	C	III	A	Yes	3	No
1,3-Dichloropropene	DPU	18	O	D	II	A	Yes	4	No
Dichloropropane, Dichloropropane mixtures	DMX	18	O	C	II	A	Yes	1	No
Diethanolamine	DEA	8	O	E	III	A	Yes	1	.50-1(b)
Diethylamine	DEN	7	O	C	III	A	Yes	3	.50-1(a)
Diethylenetriamine	DET	7 ²	O	E	III	A	Yes	1	.50-1(c)
Diisobutylamine	DBU	7	O	D	III	A	Yes	3	.50-1(c)
Diisopropanolamine	DIP	8	O	E	III	A	Yes	1	.50-1(c)
Diisopropylamine	DIA	7	O	C	II	A	Yes	3	.50-1(c)
N,N-Dimethylacetamide	DAC	10	O	E	III	A	Yes	3	.50-1(b)
Dimethylethanolamine	DMB	8	O	D	III	A	Yes	1	.50-1(p), (v)
Dimethylformamide	DMF	10	O	D	III	A	Yes	1	.50-1(a)
Di-n-propylamine	DNA	7	O	C	II	A	Yes	3	.50-1(c)
Dodecyl dimethylamine, Tetradecyl dimethylamine mixture	DOT	7	O	E	III	A	No	N/A	.50-1(p)
Ethanolamine	MEA	8	O	E	III	A	Yes	1	.50-1(c)
Ethyl acrylate	EAC	14	O	C	III	A	Yes	2	.50-70(p), .50-81(a), (q)
Ethylamine solution (72% or less)	EAN	7	O	A	II	A	No	N/A	.50-1(b)
N-Ethylbutylamine	EBA	7	O	D	III	A	Yes	3	.50-1(b)
N-Ethylcyclohexylamine	ECC	7	O	D	III	A	Yes	1	.50-1(b)
Ethylene cyanohydrin	ETC	20	O	E	III	A	Yes	1	No
Ethylenediamine	EDA	7 ²	O	D	III	A	Yes	1	.50-1(c)
Ethylene dichloride	EDC	38 ²	O	C	III	A	Yes	1	No
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No
Ethylene glycol monoalkyl ethers	EGC	40	O	D/E	III	A	Yes	1	No
Ethylene glycol propyl ether	EGP	40	O	E	III	A	Yes	1	No
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	Yes	2	.50-70(p), .50-81(a), (q)
Ethyl methacrylate	ETM	14	O	D/E	III	A	Yes	2	.50-70(a)
2-Ethyl-3-propylacrolein	EPA	19 ²	O	E	III	A	Yes	1	No
Formaldehyde solution (37% to 60%)	FMS	19 ²	O	D/E	III	A	Yes	1	.50-1(b)
Furfural	FFA	19	O	E	III	A	Yes	1	.50-1(b)
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No
Hexamethylenediamine solution	HMC	7	O	E	III	A	Yes	1	.50-1(a)
Hexamethylenimine	HMI	7	O	C	II	A	Yes	1	.50-1(a), (q)
Hydrocarbon 5-9	HPN		O	C	III	A	Yes	1	.50-70(a), .50-81(a), (q)
Isoprene	IPR	30	O	A	III	A	No	N/A	.50-70(a), .50-81(a), (q)

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Department of Homeland Security
United States Coast Guard

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28040
Official #: 1170387

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Shipyard: West Gulf Marine
Hull #: 153

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 48 CFR 151 General and Marks of Construction
							Appld (Y or N)	VCS Category	
Isoprene, Pentadiene mixture	IPN		O	B	III	A	No	N/A	.50-70(a), .50-11(a)
Kraft pulping Liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	.50-70, .50-10(a), (d), (e)
Mesityl oxide	MSO	18 ²	O	D	III	A	Yes	1	No
Methyl acrylate	MAM	14	O	C	III	A	Yes	2	.50-70(a), .50-41(a), (b)
Methylocyclopentadiene dimer	MCK	30	O	C	III	A	Yes	1	No
Methyl diethanolamine	MDE	8	O	E	III	A	Yes	1	.50-10(a), (d)
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	Yes	1	.50-10(a)
Methyl methacrylate	MMM	14	O	C	III	A	Yes	2	.50-70(a), .50-41(a), (b)
2-Methylpyridine	MPR	8	O	D	III	A	Yes	3	.50-10(a)
alpha-Methylstyrene	MSR	30	O	D	III	A	Yes	2	.50-70(a), .50-41(a), (b)
Morpholine	MPL	7 ²	O	D	III	A	Yes	1	.50-10(a)
1- or 2-Nitropropane	NPM	42	O	D	III	A	Yes	1	.50-81
1,3-Pentadiene	POE	30	O	A	III	A	No	N/A	.50-70(a), .50-41
Perchloroethylene	PER	38	O	NA	III	A	No	N/A	No
Polyethylene polyamines	PEB	7 ²	O	E	III	A	Yes	1	.50-10(a)
Iso-Propanolamine	MPA	8	O	E	III	A	Yes	1	.50-10(a)
Propanolamine (iso-, n-)	PAX	8	O	E	III	A	Yes	1	.50-10(a), (b)
Propionic acid	PNA	4	O	D	III	A	Yes	1	.50-70, .50-10(a)
Iso-Propylamine	IPP	7	O	A	II	A	No	N/A	.50-10(a)
Pyridine	PRD	9	O	C	III	A	Yes	1	.50-10(a)
Sodium aluminate solution (45% or less)	SAU	5	O	NA	III	A	No	N/A	.50-70, .50-10(a), (b), (c)
Sodium chlorate solution (50% or less)	SOD	0 ^{1,2}	O	NA	III	A	No	N/A	.50-70
Sodium hypochlorite solution (20% or less)	SHQ	5	O	NA	III	A	No	N/A	.50-70, .50-10(a), (b)
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 ^{1,2}	O	NA	III	A	Yes	1	.50-70, .50-10(a)
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 ^{1,2}	O	NA	III	A	No	N/A	.50-70, .50-10(a)
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 ^{1,2}	O	NA	II	A	No	N/A	.50-70, .50-10(a)
Styrene (crude)	STX		O	D	III	A	Yes	2	No
Styrene monomer	STY	30	O	D	III	A	Yes	2	.50-70(a), .50-41(a), (b)
1,1,2,2-Tetrachloroethane	TEC	38	O	NA	III	A	No	N/A	No
Tetraethylenepentamine	TTP	7	O	E	III	A	Yes	1	.50-10(a)
Tetrahydrofuran	THF	41	O	C	III	A	Yes	1	.50-70(b)
Toluenediamine	TDA	9	O	E	II	A	No	N/A	.50-70, .50-10(a), (b), (c), (d)
1,2,4-Trichlorobenzene	TCB	38	O	E	III	A	Yes	1	No
1,1,2-Trichloroethane	TCM	38	O	NA	III	A	Yes	1	.50-70, .50-10(a)
Trichloroethylene	TCL	38 ²	O	NA	III	A	Yes	1	No
1,2,3-Trichloropropane	TCN	38	O	E	II	A	Yes	3	.50-70, .50-10(a)
Triethanolamine	TEA	8 ²	O	E	III	A	Yes	1	.50-10(a)
Triethylamine	TEN	7	O	C	II	A	Yes	3	.50-10(a)
Triethylenetriamine	TET	7 ²	O	E	III	A	Yes	1	.50-10(a)
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	N/A	.50-10(a), (b), (c)
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	.50-70, .50-10(a), (b)
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	O	NA	III	A	No	N/A	.50-10(a)
Vanillin black liquor (free alkali content, 3% or more).	VEL	5	O	NA	III	A	No	N/A	.50-70, .50-10(a), (b), (c)
Vinyl acetate	VAM	13	O	C	III	A	Yes	2	.50-70(a), .50-41(a), (b)
Vinyl nadodecinate	VND	13	O	E	III	A	No	N/A	.50-70(a), .50-41(a), (b)
Vinyltoluene	VNT	13	O	D	III	A	Yes	2	.50-70(a), .50-41, .50-10(a), (b), (c), (d)

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Department of Homeland Security
United States Coast Guard

Serial #: C2-0503719
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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28040
Official #: 1170387

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Shipyard: West Gulf Marine
Hull #: 153

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 48 CFR 151 General and Marks of Construction
							Appl'd (Y or N)	VCS Category	

Subchapter D Cargoes Authorized for Vapor Control

Acetone	ACT	18 ²	D	C		A	Yes	1
Acetophenone	ACP	18	D	E		A	Yes	1
Alcohol(C12-C18) poly(1-8)ethoxylates	APU	20	D	E		A	Yes	1
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		A	Yes	1
Amyl acetate (all isomers)	AEC	34	D	D		A	Yes	1
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D		A	Yes	1
Benzyl alcohol	BAL	21	D	E		A	Yes	1
Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFX	20	D	E		A	Yes	1
Butyl acetate (all isomers)	BAX	34	D	D		A	Yes	1
Butyl alcohol (iso-)	IAL	20 ²	D	D		A	Yes	1
Butyl alcohol (n-)	BAN		D	D		A	Yes	1
Butyl alcohol (sec-)	BAS		D	C		A	Yes	1
Butyl alcohol (tert-)	BAT		D	C		A	Yes	1
Butyl benzyl phthalate	BPH	34	D	E		A	Yes	1
Butyl toluene	BUE	32	D	D		A	Yes	1
Caprolactam solutions	CLS	22	D	E		A	Yes	1
Cyclohexane	CHX	31	D	C		A	Yes	1
Cyclohexanol	CHN	20	D	E		A	Yes	1
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		A	Yes	2
p-Cymene	CMP	32	D	D		A	Yes	1
Iso-Decaldehyde	IDA	19	D	E		A	Yes	1
n-Decaldehyde	DAL	19	D	E		A	Yes	1
Decane	DCE	30	D	D		A	Yes	1
Decyl alcohol (all isomers)	DAX	20 ²	D	E		A	Yes	1
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		A	Yes	1
Diacetone alcohol	DAA	20 ²	D	E		A	Yes	1
ortho-Dibutyl phthalate	DPA	34	D	E		A	Yes	1
Dibenzobenzene	DEB	32	D	D		A	Yes	1
Dibethylene glycol	DEG	40 ²	D	E		A	Yes	1
Dibutylene	DBL	30	D	C		A	Yes	1
Dibutyl ketone	DIK	18	D	D		A	Yes	1
Dibutylbenzene (all isomers)	DIX	32	D	E		A	Yes	1
Dimethyl phthalate	DTL	34	D	E		A	Yes	1
Dioctyl phthalate	DOP	34	D	E		A	Yes	1
Dipentene	DPN	30	D	D		A	Yes	1
Diphenyl	DIL	32	D	D/E		A	Yes	1
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		A	Yes	1
Diphenyl ether	DPE	41	D	(E)		A	Yes	1
Dipropylene glycol	DPG	40	D	E		A	Yes	1
Distillates: Flashed feed stocks	DFF	33	D	E		A	Yes	1
Distillates: Straight run	DSR	33	D	E		A	Yes	1
Dodecene (all isomers)	DCZ	30	D	D		A	Yes	1
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	E		A	Yes	1
2-Ethoxyethyl acetate	EEA	34	D	D		A	Yes	1

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Department of Homeland Security
United States Coast Guard

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 25040
Official #: 1170367

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Shipyard: West Gulf Marine
HLL #: 163

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 48 CFR 151 General and Mfrs of Construction
							App'd (Y or N)	VCB Category	
Ethoxy triethyl (crude)	ETG	40	D	E		A	Yes	1	
Ethyl acetate	ETA	34	D	C		A	Yes	1	
Ethyl acetoacetate	EAA	34	D	E		A	Yes	1	
Ethyl alcohol	EAL	20 ²	D	C		A	Yes	1	
Ethylbenzene	ETB	32	D	C		A	Yes	1	
Ethyl butanol	EBT	20	D	D		A	Yes	1	
Ethyl tert-butyl ether	EBE	41	D	C		A	Yes	1	
Ethyl butyrate	EBR	34	D	D		A	Yes	1	
Ethyl cyclohexane	ECY	31	D	D		A	Yes	1	
Ethylene glycol	EGL	20 ²	D	E		A	Yes	1	
Ethylene glycol butyl ether acetate	EMA	34	D	E		A	Yes	1	
Ethylene glycol diacetate	EGY	34	D	E		A	Yes	1	
Ethylene glycol phenyl ether	EPE	40	D	E		A	Yes	1	
Ethyl-3-ethoxypropionate	EEP	34	D	E		A	Yes	1	
2-Ethylhexanol	EHX	20	D	E		A	Yes	1	
Ethyl propionate	EPR	34	D	C		A	Yes	1	
Ethyl toluene	ETE	32	D	E		A	Yes	1	
Formamide	FAM	10	D	E		A	Yes	1	
Furfuryl alcohol	FAL	20 ²	D	E		A	Yes	1	
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		A	Yes	1	
Gasoline blending stocks: Reformates	GRP	33	D	A/C		A	Yes	1	
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	C		A	Yes	1	
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	C		A	Yes	1	
Gasolines: Crackinghead (natural)	GCS	33	D	A/C		A	Yes	1	
Gasolines: Polymer	GPL	33	D	A/C		A	Yes	1	
Gasolines: Straight run	GSR	33	D	A/C		A	Yes	1	
Glycerine	GCR	20 ²	D	E		A	Yes	1	
Heptane (all isomers), see Alkanes (C8-C9) (all isomers)	HMX	31	D	C		A	Yes	1	
Heptanoic acid	HXP	4	D	E		A	Yes	1	
Heptanol (all isomers)	HTX	20	D	D/E		A	Yes	1	
Heptene (all isomers)	HPX	30	D	C		A	Yes	2	
Heptyl acetate	HPE	34	D	D		A	Yes	1	
Hexane (all isomers), see Alkanes (C8-C9)	HXS	31 ²	D	B/C		A	Yes	1	
Hexanoic acid	HXD	4	D	E		A	Yes	1	
Hexanol	HON	20	D	D		A	Yes	1	
Hexene (all isomers)	HEX	30	D	C		A	Yes	2	
Hexylene glycol	HXG	20	D	E		A	Yes	1	
Isophorone	IPH	18 ²	D	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	Yes	1	
Kerosene	KRS	33	D	D		A	Yes	1	
Methyl acetate	MTT	34	D	D		A	Yes	1	
Methyl alcohol	MAL	20 ²	D	C		A	Yes	1	
Methylamyl acetate	MAC	34	D	D		A	Yes	1	
Methylamyl alcohol	MAA	20	D	D		A	Yes	1	
Methyl amyl ketone	MAK	18	D	D		A	Yes	1	
Methyl tert-butyl ether	MBE	41 ²	D	C		A	Yes	1	
Methyl butyl ketone	MBK	18	D	C		A	Yes	1	

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Department of Homeland Security
United States Coast Guard

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28040
Official #: 1170367

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Shipyard: West Gulf Marine
Hull #: 163

Cargo Identification						Conditions of Carriage		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Vapor Recovery		Special Requirements in 48 CFR 151 General and Limits of Construction
						App'd (Y or N)	VCS Category	
Methyl butyrate	MBU	34	D	C		A	Yes	1
Methyl ethyl ketone	MEK	18 ¹	D	C		A	Yes	1
Methyl heptyl ketone	MHK	18	D	D		A	Yes	1
Methyl isobutyl ketone	MIK	18 ²	D	C		A	Yes	1
Methyl naphthalene (mottan)	MNA	32	D	E		A	Yes	1
Mineral spirits	MNS	33	D	D		A	Yes	1
Myrcene	MRE	30	D	D		A	Yes	1
Naphtha: Heavy	NAG	33	D	#		A	Yes	1
Naphtha: Petroleum	PTN	33	D	#		A	Yes	1
Naphtha: Solvent	NSV	33	D	D		A	Yes	1
Naphtha: Stoddard solvent	NSS	33	D	D		A	Yes	1
Naphtha: Varnish makers and painters (76%)	NVM	33	D	C		A	Yes	1
Nonane (all isomers), see Alkanes (C8-C9)	NAX	31	D	D		A	Yes	1
Nonane (all isomers)	NDN	30	D	D		A	Yes	2
Nonyl alcohol (all isomers)	NNS	20 ²	D	E		A	Yes	1
Nonyl phenol	NNP	21	D	E		A	Yes	1
Nonyl phenol poly(4+)ethoxyslates	NPE	40	D	E		A	Yes	1
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	C		A	Yes	1
Octanoic acid (all isomers)	OAY	4	D	E		A	Yes	1
Octanol (all isomers)	OCX	20 ²	D	E		A	Yes	1
Octane (all isomers)	OTX	30	D	C		A	Yes	2
Oil, fuel: No. 2	OTW	33	D	D/E		A	Yes	1
Oil, fuel: No. 2-D	OTD	33	D	D		A	Yes	1
Oil, fuel: No. 4	OFR	33	D	D/E		A	Yes	1
Oil, fuel: No. 5	OFV	33	D	D/E		A	Yes	1
Oil, fuel: No. 8	OSX	33	D	E		A	Yes	1
Oil, misc: Crude	OIL	33	D	C/D		A	Yes	1
Oil, misc: Diesel	ODS	33	D	D/E		A	Yes	1
Oil, misc: Lubricating	OLB	33	D	E		A	Yes	1
Oil, misc: Residual	ORL	33	D	E		A	Yes	1
Oil, misc: Turbine	OTB	33	D	E		A	Yes	1
alpha-Pinene	PIO	30	D	D		A	Yes	1
beta-Pinene	PIP	30	D	D		A	Yes	1
Poly(2-8)alkylene glycol monoalkyl(C1-C8) ether	PAG	40	D	E		A	Yes	1
Poly(2-8)alkylene glycol monoalkyl(C1-C8) ether acetate	PAF	34	D	E		A	Yes	1
Polybutene	PLB	30	D	E		A	Yes	1
Polypropylene glycol	PGC	40	D	E		A	Yes	1
iso-Propyl acetate	IAC	34	D	C		A	Yes	1
n-Propyl acetate	PAT	34	D	C		A	Yes	1
iso-Propyl alcohol	IPA	20 ²	D	C		A	Yes	1
n-Propyl alcohol	PAL	20 ²	D	C		A	Yes	1
Propylbenzene (all isomers)	PBY	32	D	D		A	Yes	1
iso-Propylcyclohexane	IPX	31	D	D		A	Yes	1
Propylene glycol	PPG	20 ²	D	E		A	Yes	1
Propylene glycol methyl ether acetate	PGN	34	D	D		A	Yes	1
Propylene tetramer	PTT	30	D	D		A	Yes	1
Sulfolane	SFL	39	D	E		A	Yes	1
Tetraethylene glycol	TTG	40	D	E		A	Yes	1

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Department of Homeland Security
United States Coast Guard

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 28040**
Official #: **1170387**

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Shipyard: **West Gulf Marine**
Hull #: **153**

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 48 CFR 151 General and Parts of Construction
							App'd (Y or N)	VCS Category	
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1	
Toluene	TOL	32	D	C		A	Yes	1	
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		A	Yes	1	
Triethylbenzene	TEB	32	D	E		A	Yes	1	
Triethylene glycol	TEG	40	D	E		A	Yes	1	
Triethyl phosphate	TPS	34	D	E		A	Yes	1	
Trimethylbenzene (all isomers)	TRE	32	D	(D)		A	Yes	1	
Triphenyl phosphate	TRP	34	D	E		A	Yes	1	
Undecene	UDC	30	D	D/E		A	Yes	1	
1-Undecyl alcohol	UND	20	D	E		A	Yes	1	
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		A	Yes	1	

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Department of Homeland Security
United States Coast Guard

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28040
Official #: 1170387

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Shipyard: West Gulf Mar
Hull #: 153

Explanation of terms & symbols used in the Table:

Cargo Identification:

Name	The proper shipping name as listed in 48 CFR Table 30.25-1, 48 CFR Table 151.05, and 48 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.
Compatibility Group No.	The cargo reserve group number assigned for compatibility determinations in 48 CFR Part 153 Tables I and II. In accordance with 48 CFR 153.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 48 CFR Part 153 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 48 CFR 153 in conjunction with the assigned reserve group number.
Note 1	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 (G-MSC-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20563-0001. Telephone (202) 267-1217.
Note 2	See Appendix I to 48 CFR Part 153 - exceptions to the compatibility chart.
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D	Those flammable and combustible liquids listed in 48 CFR Table 30.25-1.
Subchapter O	Those hazardous cargoes listed in 48 CFR Table 151.05 and 48 CFR Part 153 Table 2.
Note 3	Those cargoes listed in 48 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-ocean-going barges.
Grade	The cargo classification assigned to each flammable or combustible liquid. Grades inside of "I" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
A, B, C	Flammable liquid cargoes, as defined in 48 CFR 30-10.22.
D, E	Combustible liquid cargoes, as defined in 48 CFR 30-10.18.
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.
NA	Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
0	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 48 CFR 151.10-1.
I	Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 48 CFR 151.10-1(p)(1).
II	Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 48 CFR 151.10-1(p)(3).
III	Designed to carry products of sufficient hazard to require a moderate degree of control. See 48 CFR 151.10-1(p)(4).
NA	Not applicable to barges certificated under Subchapter O.

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 "48 CFR Tank Group Characterization" listed on page 1) 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.
VCS Category:	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those for benzene, gasoline 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 155.120, 33 CFR 155.170, 46 CFR 35.35 and 46 CFR 35. The cargo tank venting system calculations (48 CFR 35.20-11) and the pressure drop calculations (48 CFR 35.30-1(d)) 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 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 causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Office 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 deformation arrestor.
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a split valve or rupture disk as the primary means to meet the overall protection requirement of 48 CFR 35.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerizes and Highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 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	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.
Category 7	(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.

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