ETHYL-3-ETHOXYPROPIONATE

					4.1 Flash
Common Synonyms Liquid Ethoxy propionic acid, ethyl ester Ethyl beta-ethoxypropionate Float:		Liquid Floats on water.	Water-white	Esteric odor	4.2 Flam 4.3 Fire E dry foar
ster					4.4 Fire E Use
Shut off ig Avoid cont Keep peop Stay upwir Notify loca Protect wa	nition sources a act with liquid a ele away. d. Use water s I health and po iter intakes.	and call fire depart and vapor. spray to ``knock de llution control ager	ment. own" vapor. ocies.		4.5 Spec Pro 4.6 Beha 4.7 Auto ava
Fire	Combustible. Containers may explode in fire. Flashback along vapor trail may occur. Vapor may explode if ignited in an enclosed area. Water may be ineffective on fire. Extinguish with dry chemical, alcohol foam, or CO ₂ . Cool exocoed containers with water.				4.0 Electronic ava 4.9 Burni 4.10 Adia not 4.11 Stoic (cal 4.12 Flam
Exposure	CALL FOR I VAPOR Irritating to e If inhaled wil If in eyes, he plenty of wa If breathing	ava 4.13 Com 4.14 Minii Con 5.			
	If breatming is difficult, give oxygen. LIQUID Irritating to skin and eyes. If swallowed will cause nausea, vomiting, dizziness or headache. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EVES, hold eyelids open and flush with plenty of water. IF SWALLOWED, DO NOT INDUCE VOMITING.				5.2 Reac reac 5.3 Stabi 5.4 Neuth Cau 5.5 Polyn 5.6 Inhib pert
Water Pollution	Effect of low Fouling to sh May be dany Notify local I Notify opera	6.1 Aqua Currr 6.2 Wate ava			
			2.4 DOT ID No.: Not 2.5 CAS Registry N 2.6 NAERG Guide N 2.7 Standard Indus 51377	listed o.: 763-69-9 lo.: Not listed trial Trade Classification:	Hum Hum Red
 Personal Prot breathing ; Symptoms Foi nausea an unconscio Treatment of I artificial re induce vor breathing t lower eyell of soap an TLV-TWA: Not TLV-TWA: Not TV-Ceiling: N Troxicity by Ing Toxicity and the second cause small The second the second The second the second the second cause small The second the second the second cause small Cost A PEL-TI So SHA PEL-CT T PA AEGL: N 	ctive Equipm paparatus or a : lowing Expos d vomiting, cen sness. Exposure: INH spiration, if not niting. If sponta d soccasionally d water. listed. t listed. estion: Grade alation: Curre ity: Prolonged u estion: Grade alation: Curre ity: Prolonged u d Characterist rritant Charact resent in high o d Characterist riting and redde Id: Currently n ot listed. VA: Not listed. TEL: Not listed.	 HEALTH ent: Rubber boots ure: Liquid or misit train respira- ure: Liquid or misit train nervous syste ALATION: Call for breathing. Give c aneous vomiting or ES: Flush with lots y. SKIN: Remove 2: LDso = 5 g/kg (n thy not available. or repeated expose concentrations. Th ics: Minimum haz aning of skin. ot available d. 	I HAZARDS s, rubber gloves, rubber apro- tor. may irritate th eyes and sk m depression with diziness rmedical aid. Remove the v sygen if breathing difficult. curs keep victim's head bel- to funning water for 15 min e contaminated clothing and rat) ure may cause dermittis or ause a slight smarting of th ne effect is temporary. ard. If spilled on clothing and	in, and self-contained in. May cause headache, , drowsiness and ictim to fresh air. Give INGESTION: Do not ow his hips to prevent his utes, lifting the upper and shoes. Wash with plently conjunctivitis. e eyes or respiratory d allowed to remain, may	

IRE HAZARDS 7. SHIPPING INFORMATION 138°F C.C. 7.1 Grades of Purity: >99% Limits in Air: LEL 1.05% 7.2 Storage Temperature: Ambient. uishing Agents: Water spray, al, carbon dioxide, or alcohol 7.3 Inert Atmosphere: Currently not available 7.4 Venting: Currently not available 7.5 IMO Pollution Category: C uishing Agents Not to Be ter may be ineffective. 7.6 Ship Type: 3 cards of Combustion Currently not available 7.7 Barge Hull Type: Currently not available Fire: Currently not available 8. HAZARD CLASSIFICATIONS n Temperature: Currently not 8.1 49 CFR Category: Not listed. 8.2 49 CFR Class: Not pertinent. azards: Currently not 8.3 49 CFR Package Group: Not listed. te: Currently not available 8.4 Marine Pollutant: No lame Temperature: Currently 8.5 NFPA Hazard Classification: ric Air to Fuel Ratio: 42.8 Flammability (Red)..... 2 perature: Currently not Instability (Yellow)..... 0 n Molar Ratio (Reactant to 8.6 EPA Reportable Quantity: Not listed. 4.0 (calc.) 8.7 EPA Pollution Category: Not listed. Dxygen Concentration for on (MOCC): Not listed 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Not listed ICAL REACTIVITY 9. PHYSICAL & CHEMICAL rith Water: No reaction. PROPERTIES ith Common Materials: No 9.1 Physical State at 15° C and 1 atm: Liquid ring Transport: Stable. 9.2 Molecular Weight: 146.21 Agents for Acids and Currently not available **9.3 Boiling Point at 1 atm:** 338°F = 170°C = 443.2°K ion: Will not occur. 9.4 Freezing Point: -148°F = -100°C = 173.2°K Polymerization: Not 9.5 Critical Temperature: Currently not available 9.6 Critical Pressure: Currently not available 9.7 Specific Gravity: 0.95 TER POLLUTION 9.8 Liquid Surface Tension: Currently not t**icity:** tavailable 9.9 Liquid Water Interfacial Tension: Currently not available oxicity: Currently not 9.10 Vapor (Gas) Specific Gravity: 5.0 Dxygen Demand (BOD): ot available 9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available Concentration Potential: ot available 9.12 Latent Heat of Vaporization: Currently not available zard Profile 9.13 Heat of Combustion: Currently not available Ilation: 0 living resources: 2 I hazard: 1 htact hazard: 1 9.14 Heat of Decomposition: Currently not available 9.15 Heat of Solution: Currently not available of amenities: X 9.16 Heat of Polymerization: Currently not available 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available NOTES

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
	CURRENTLY NOT AVAILABLE		C U R R E N T L Y N O T A V A I L A B L E		CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
	C U R R E N T L Y N O T A V A I L A B L E	68	0.013		C U R R E N T L Y NOT A V A I L A B L E	0 25 50 75 100 125 150 275 200 225 250 275 300 325 350 305 355 400 425 450 475 475 550 525 550 575 600	0.276 0.287 0.297 0.307 0.317 0.327 0.347 0.357 0.366 0.375 0.384 0.393 0.402 0.411 0.420 0.428 0.436 0.444 0.452 0.460 0.452 0.460 0.476 0.483 0.491