## HYDROXYPROPYL ACRYLATE

	CAUTION	ARTRESP		ATION	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms 1.2-Propanediol-1-acrylate Propylene glycol monoacrylate May float or sink ir		Colorless	Faint unpleasant odor	<ul> <li>4.1 Flash Point: 212°F O.C.</li> <li>4.2 Flammable Limits in Air: 1.8% (LFL)</li> <li>4.3 Fire Extinguishing Agents: Dry chemical, "alcohol" foam, carbon dioxide</li> <li>4.4 Fire Extinguishing Agents Not to Be Under Works may be indirective.</li> </ul>	7.1 Grades of Purity: Commercial, 97%     7.2 Storage Temperature: Ambient     7.3 Inert Atmosphere: No requirement     7.4 Venting: Open     7.5 IMO Pollution Category: Currently not availa			
Shut off igr Notify local	nition sources.	I contact with liquid Call fire department ution control agenc	t. T		Used: Water may be ineffective. 4.5 Special Hazards of Combustion Products: Currently not available 4.6 Behavior in Fire: Currently not available 4.7 Auto Ignition Temperature: Currently not	7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available		
Fire	Combustible. CONTAINERS MAY EXPLODE IN FIRE. Extinguish with dry chemicals, foam, or carbon dioxide. Water may be ineffective on fire. Cool exposed containers with water. COMBAT FIRES FROM SAFE DISTANCE OR PROTECTED LOCATION.				available 4.8 Electrical Hazards: Currently not available 4.9 Burning Rate: Currently not available 4.10 Adiabatic Flame Temperature: Currently not available	8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Not listed 8.2 49 CFR Class: Not pertinent 8.3 49 CFR Package Group: Not listed. 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification:		
Exposure       CALL FOR MEDICAL AID.         VAPOR       Irritating to eyes, nose and throat.         If inhaled will cause coughing or difficult breathing.       If in eyes, hold eyelids open and flush with plenty of water.         If in eyes, hold eyelids open and flush with plenty of water.       If breathing has stopped, give artificial respiration.         If breathing is difficult, give oxygen.       LIQUID         Will burn skin and eyes.       If swallowed will cause nausea.         Remove contaminated clothing and shoes.       Flush affected areas with plenty of water.         IF IN EYES, hold eyelids open and flush with plenty of water.       IF NEYES, hold eyelids open and flush with plenty of water.         IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk.       IF SWALLOWED and victim warm.					4.11 Stoichometric Air to Fuel Ratio: 33.3 (calc.)     4.12 Flame Temperature: Currently not available     4.13 Combustion Molar Ratio (Reactant to Product): 11.0 (calc.)     4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed     5. CHEMICAL REACTIVITY	Category Classification Health Hazard (Blue)1 Flammability (Red)1 Instability (Yellow)0 8.6 EPA Reportable Quantity: Not listed. 8.7 EPA Pollution Category: Not listed. 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Not listed		
				drink water or milk.	<ul> <li>5.1 Reactivity with Water: No reaction</li> <li>5.2 Reactivity with Common Materials: Currently not available</li> <li>5.3 Stability During Transport: Stable</li> <li>5.4 Neutralizing Agents for Acids and Caustics: Not pertinent</li> <li>5.5 Polymerization: May occur: avoid</li> </ul>	9. PHYSICAL & CHEMICAL PROPERTIES     9.1 Physical State at 15° C and 1 atm: Liquid     9.2 Molecular Weight: 130     9.3 Boiling Point at 1 atm: Not pertinent     (decomposes)     9.4 Freezing Point: Not pertinent     9.5 Critical Temperature: Not pertinent     9.6 Critical Pressure: Not pertinent     9.7 Specific Gravity: 1.06 at 25°C (liquid)     9.8 Liquid Surface Tension: Currently not     available     9.10 Vapor (Gas) Specific Gravity: 4.5     9.11 Ratio of Specific Heats of Vapor (Gas):     Not pertinent     9.12 Latent Heat of Vaporization: Currently not     available     9.13 Heat of Combustion: (est.) -12,300 Btu/lb		
Water Pollution	Effect of low concentrations on aquatic life is unknown. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.				<ul> <li>S. Formerization: may occur, avoid exposure to high temperatures, ultraviolet light, free-radical initiators.</li> <li>S.6 Inhibitor of Polymerization: 200 ppm hydroquinone</li> </ul>			
1. CORRECTIVE RESPONSE ACTIONS       2. CHEMICAL DESIGNATIONS         Dilute and disperse       2.1 CG compatibility Group: Not listed.         Stop discharge       2.2 Formula: CHsCHOHCH:OCOCH = CHz         2.3 IMO/UN Designation: Not listed       2.4 DOT ID No:. Not listed         2.5 CAS Registry No:: Currently not available       2.6 NAERG Guide No.: Not listed         2.6 NAERG Guide No.: Not listed       2.7 Standard Industrial Trade Classification:			ty Group: Not listed. HOHCH2OCOCH = CH2 ation: Not listed t listed Io: Currently not available No.: Not listed	6. WATER POLLUTION     6.1 Aquatic Toxicity: Currently not available     6.2 Waterfowl Toxicity: Currently not available     6.3 Biological Oxygen Demand (BOD): Currently not available     6.4 Food Chain Concentration Potential: None     6.5 GESAMP Hazard Profile: Not listed				
apparatus. 3.2 Symptoms Fol may occur. Contact wii 3.3 Treatment of E warm, and milk or wata flush with p medical att 3.4 TLV-TWA: 0.5 5 TLV-STEL: Not 3.6 TLV-Ceiling: N	Ilowing Exposition cau th liquid causes Exposure: INH get medical attuer immediately; olenty of water a tention if burning ppm t listed. lot listed.	ure: Inhalation irrita ses irritation and bu severe burns of ey ALATION: if ill effec ention; if breathing e induce vomiting on and get medical atte g occurs.	apron, and boots; self-cr tes nose and throat and t irming of mouth and stome res and burns of skin. its occur, get patient to fr stops, start artificial respi y at physician's recommention. SKIN: promptly flu	Intained breathing auses coughing; lung injury ch. Vapor irritates eyes. esh air, keep him quiet and ation. INSESTION: force ndation. EYES: promptly sh with plenty of water; get	NO	-6,850 cal/g = -287 X 10 <sup>5</sup> J/kg 9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Solution: Not pertinent 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		
usually tole 3.11 Liquid or Solid	alation: Currently no rritant Character arate moderate d Characteristi act and is very i old: Currently no lot listed. WA: Not listed. FEL: Not listed.	ttly not available. t available eristics: Vapors are or high concentratic ics: Severe skin irri njurious to the eyes ot available	e moderately irritating suc ons. tant. Causes second- ar					

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9 SATURATED L	.20 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
77	66.169		N O T		N O T		N O T
			P E R T I N E N T		P E R T I N E N T		P R T N E N T

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
	M - SC - B L E		N O T E R T I N E N T		N O T P E R T I N E N T		N OOT PERTINENT