## N-AMYL NITRATE

(	AUTION	IARY RESPO	NSE INFORMATION		4. FIRE HAZARDS	7. SHIPPING INFORMATION			
Common Synonyms Liquid Colorless to light straw Ether-like odor Diesel ignition improver				4.1 Flammable Limits in Air: Currently not available	nitrate, 60%; iso-amyl nitrate, 5%, 2 methylbutyl nitrate, 35%				
Mixed primary amyl nitrates May float or sink in water					4.3 Fire Extinguishing Agents: Foam, dry chemical, carbon dioxide 7.2 Storage Temperature: Ambien 7.3 Inot Atmosphere No coming				
Stop discharge if possible. Keep people away.					4.4 Fire Extinguishing Agents Not to Be Used: Currently not available	7.4 Venting: Open			
Shut off ignition sources. Call fire department.					4.5 Special Hazards of Combustion	<ul><li>7.5 IMO Pollution Category: Currently not available</li><li>7.6 Ship Type: Currently not available</li></ul>			
Isolate and remove discharged material. Notify local health and pollution control agencies.					form in a fire.	7.7 Barge Hull Type: Currently not available			
Protect water intakes.				_	<ul> <li>A to length in the overheated material</li> <li>may detonate.</li> <li>A to length pot</li> </ul>	8. HAZARD CLASSIFICATIONS			
Fire	Combustible. POISONOUS GASES MAY BE PRODUCED IN FIRE. May explode if exposed to heat or flames. Wear goggles and self-contained breathing apparatus. Extinguish with dry chemicals, foam, or carbon dioxide. Water may be ineffective on fire. Condexnosed containers with water				4.7 Auto ignition reinperature. Currently not available	<ul> <li>8.1 49 CFR Category: Flammable liquid</li> <li>8.2 49 CFR Class: 3</li> <li>8.3 49 CFR Package Group: III</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification:</li> </ul>			
					available				
					4.9 Burning Rate: Currently not available 4.10 Adiabatic Flame Temperature: Currently				
Exposuro					4.11 Stoichometric Air to Fuel Ratio:	Category Classification Health Hazard (Blue) 2			
Exposure	VAPOR				4.12 Flame Temperature: Currently not	Flammability (Red)			
	Irritating to e If inhaled will	yes, nose and throat. I cause headache	;, nose and throat. use headache		available 4.13 Combustion Molar Ratio (Reactant to	Special (White) OX			
	If in eyes, ho If breathing h	old eyelids open and f has stopped, give arti	lush with plenty of water. icial respiration.		4.14 Minimum Oxygen Concentration for	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			
		s anncuit, give oxygei	n.		Combustion (MOCC): Not listed				
	Irritating to s	kin and eyes. will cause nausea or	headache.		5. CHEMICAL REACTIVITY				
	Remove con Flush affecte	taminated clothing an ad areas with plenty o	id shoes. f water.		5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: May	9. PHYSICAL & CHEMICAL PROPERTIES			
	IF IN EYES, IF SWALLO	hold eyelids open an WED and victim is CO	d flush with plenty of water. DNSCIOUS, have victim drink water		torm combustible mixture with wood or other combustibles. Liquid will attack	9.1 Physical State at 15° C and 1 atm: Liquid			
	IF SWALLO	WED and victim is UN	Inding. VCONSCIOUS OR HAVING CONVULSIONS, m		5.3 Stability During Transport: Stable	<b>9.2</b> Molecular Weight: 133 <b>9.3</b> Boiling Point at 1 atm: 292-314°F = 144-			
Metar	Effect of low concentrations on aquatic life is unknown. Fouling to shoreline. May be dancerous if it enters water intakes.				5.4 Neutralizing Agents for Acids and Caustics: Not pertinent	<b>156°C = 417-429°K</b> <b>9.4 Freezing Point:</b> -190°F = -123°C = 150°K			
Pollution					<ul><li>5.5 Polymerization: Not pertinent</li><li>5.6 Inhibitor of Polymerization: Not pertinent</li></ul>	9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 1.0 at 20°C (liquid)			
	Notify local h Notify operat	ocal health and wildlife officials. operators or nearby water intakes.			6. WATER POLLUTION				
					6.1 Aquatic Toxicity:	9.8 Liquid Surface Tension: Currently not available			
1. CORRECTIVE	RESPONSE	ACTIONS	2. CHEMICAL DESIGNATIONS		Currently not available 6.2 Waterfowl Toxicity: Currently not	9.9 Liquid Water Interfacial Tension: Currently not available			
Stop discha Collection S	rge Systems: Pum	p; Dredge	2.1 CG Compatibility Group: Not listed 2.2 Formula: CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> ONO <sub>2</sub>		available 6.3 Biological Oxygen Demand (BOD):	9.10 Vapor (Gas) Specific Gravity: 4.59			
Clean shore Do not burn	line		2.3 IMO/UN Designation: 3.3/1112 2.4 DOT ID No.: 1112		Currently not available 6.4 Food Chain Concentration Potential:	Not pertinent			
			<ul> <li>2.5 CAS Registry No.: 1002-16-0</li> <li>2.6 NAERG Guide No.: 140</li> </ul>		None 6.5 GESAMP Hazard Profile:	9.12 Latent Heat of Vaporization: Currently not available			
			2.7 Standard Industrial Trade Classification: 51140		Bioaccumulation: - Damage to living resources: -	<ul><li>9.13 Heat of Combustion: Currently not available</li><li>9.14 Heat of Decomposition: Currently not</li></ul>			
		3. HEALTH H	AZARDS		Human Oral hazard: - Human Contact hazard: - Poduction of amonitios: -	available 9.15 Heat of Solution: Not pertinent			
3.1 Personal Prote 3.2 Symptoms Foll	ctive Equipm owing Exposi	ent: Respirator with o ure: Inhalation or inge	canister for vapors at high concentrations estion may cause headache, methemoglobin, and		reduction of amenites.	9.16 Heat of Polymerization: Not pertinent			
nausea. Liquid and vapor irritate eyes. Contact with skin may cause slight irritation. 3.3 Treatment of Exposure: INHALATION: move to fresh air; support respiration; get medical attention.					9.18 Limiting Value: Currently not available				
INGESTION wash with s	I: induce vomi oap and water	ting; get medical atter	ntion. EYES: irrigate thoroughly with water. SKIN:			9.19 Reid Vapor Pressure: Currently not available			
3.5 TLV-STEL: Not	listed.				NOTE	 ES			
3.6 TLV-Ceiling: No 3.7 Toxicity by Inge	it listed. estion: Curren	tly not available							
3.8 Toxicity by Inha 3.9 Chronic Toxicit	alation: Currer y: Currently no	ntly not available. ot available							
3.10 Vapor (Gas) Irr 3.11 Liquid or Solid	itant Characte Characteristi	eristics: Currently no ics: Currently not ava	it available nilable						
3.12 Odor Threshol 3.13 IDLH Value: No	d: Currently no t listed.	ot available							
3.14 OSHA PEL-TW 3.15 OSHA PEL-STE	A: Not listed.								
3.16 OSHA PEL-Ceiling: Not listed. 3.17 EPA AECL: Not listed.									

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature Po (degrees F)	ounds 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
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 71 72 73 73 74 75 76	63.010 62.980 62.910 62.870 62.870 62.770 62.730 62.730 62.730 62.600 62.600 62.600 62.530 62.530 62.460 62.460 62.350 62.350 62.350 62.350 62.320 62.280 62.210 62.210 62.140		N O T P E R T I N E N T		N O T P E R T I N E N T T		NOT PERTINENT

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
	I N S O		N O T		N O T		N O T
	O U B L E		P E T I N E N T		P E R T I N E N T		P E R T I N E N T