

DIISOPROPYL NAPHTHALENE

DII

CAUTIONARY RESPONSE INFORMATION				7. SHIPPING INFORMATION	
Common Synonyms 2,6-Diisopropyl naphthalene	Liquid	Clear yellowish brown	Faint, sweet odor	7.1 Grades of Purity: Technical grades.	
<p>Avoid inhalation of vapors or prolonged skin contact. Wear full impervious protective clothing and approved respirator. Shut off ignition sources and call fire department. Notify local health and pollution control agencies.</p>				7.2 Storage Temperature: Ambient.	
<p>Fire Combustible. Wear full protective clothing with self-contained breathing apparatus. Extinguish fire with dry chemical, alcohol foam, carbon dioxide. Use water spray to cool exposed containers.</p>				7.3 Inert Atmosphere: No requirement.	
<p>Exposure CALL FOR MEDICAL AID. VAPOR Move victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. LIQUID Remove contaminated clothing and shoes. Wash affected areas with soap and water. IF IN EYES, hold eyelids open and flush with plenty of water.</p>				7.4 Venting: Not listed.	
<p>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.</p>				7.5 IMO Pollution Category: D	
				7.6 Ship Type: Data not available	
				7.7 Barge Hull Type: Currently not available	
1. CORRECTIVE RESPONSE ACTIONS				8. HAZARD CLASSIFICATIONS	
<p>Stop discharge Contain Collection Systems: Skim; Pump Chemical and Physical Treatment: Burn</p>				8.1 49 CFR Category: Not listed.	
2. CHEMICAL DESIGNATIONS				8.2 49 CFR Class: Not pertinent.	
<p>2.1 CG Compatibility Group: 32; Aromatic hydrocarbons 2.2 Formula: $(\text{CH}_3)_2\text{CH}(\text{C}_6\text{H}_4)\text{CH}(\text{CH}_3)_2$ 2.3 IMO/UN Designation: Currently not available 2.4 DOT ID No.: Not listed. 2.5 CAS Registry No.: 24157-81-1 2.6 NAERG Guide No.: Not listed 2.7 Standard Industrial Trade Classification: 51129</p>				8.3 49 CFR Package Group: Not listed.	
3. HEALTH HAZARDS				8.4 Marine Pollutant: Yes	
<p>3.1 Personal Protective Equipment: Full impervious protective clothing, including boots and gloves. Where splashing is possible wear full face shield or chemical safety goggles. Use approved respirator to protect against vapors.</p>				8.5 NFPA Hazard Classification: Not listed	
<p>3.2 Symptoms Following Exposure: Exposure can cause irritation of eyes, nose and throat.</p>				8.6 EPA Reportable Quantity: Not listed.	
<p>3.3 Treatment of Exposure: Get medical attention. INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. EYES: Flush with water for at least 15 min, lifting lids occasionally. SKIN: Remove contaminated clothing and shoes. Wash with soap and water.</p>				8.7 EPA Pollution Category: Not listed.	
<p>3.4 TLV-TWA: Not listed. 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed. 3.7 Toxicity by Ingestion: Currently not available. 3.8 Toxicity by Inhalation: Currently not available. 3.9 Chronic Toxicity: Currently not available</p>				8.8 RCRA Waste Number: Not listed	
<p>3.10 Vapor (Gas) Irritant Characteristics: Vapors cause a slight smarting of the eyes or respiratory system if present in high concentrations. The effect is temporary.</p>				8.9 EPA FWPCA List: Not listed	
<p>3.11 Liquid or Solid Characteristics: Minimum hazard. If spilled on clothing and allowed to remain, may cause smarting and reddening of the skin.</p>					
<p>3.12 Odor Threshold: Currently not available</p>					
<p>3.13IDLH Value: Not listed.</p>					
<p>3.14 OSHA PEL-TWA: Not listed.</p>					
<p>3.15 OSHA PEL-STEL: Not listed.</p>					
<p>3.16 OSHA PEL-Ceiling: Not listed.</p>					
<p>3.17 EPA A EGL: Not listed</p>					
4. FIRE HAZARDS				9. PHYSICAL & CHEMICAL PROPERTIES	
<p>4.1 Flash Point: 284°F C.C.</p>				9.1 Physical State at 15°C and 1 atm: Liquid	
<p>4.2 Flammable Limits in Air: Currently not available</p>				9.2 Molecular Weight: 212.34	
<p>4.3 Fire Extinguishing Agents: Dry chemical, alcohol foam, or carbon dioxide.</p>				9.3 Boiling Point at 1 atm: 554 - 563°F = 290 - 295°C = 302 - 307°K	
<p>4.4 Fire Extinguishing Agents Not to Be Used: Water.</p>				9.4 Freezing Point: Currently not available	
<p>4.5 Special Hazards of Combustion Products: Irritating vapors and toxic gases, such as carbon dioxide and carbon monoxide, may be formed when involved in fire.</p>				9.5 Critical Temperature: Currently not available	
<p>4.6 Behavior in Fire: Currently not available</p>				9.6 Critical Pressure: Currently not available	
<p>4.7 Auto Ignition Temperature: Currently not available</p>				9.7 Specific Gravity: 0.95 at 30°C	
<p>4.8 Electrical Hazards: Not listed.</p>				9.8 Liquid Surface Tension: Currently not available	
<p>4.9 Burning Rate: Currently not available</p>				9.9 Liquid Water Interfacial Tension: Currently not available	
<p>4.10 Adiabatic Flame Temperature: Currently not available</p>				9.10 Vapor (Gas) Specific Gravity: Currently not available	
<p>4.11 Stoichiometric Air to Fuel Ratio: 102.3 (calc.)</p>				9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available	
<p>4.12 Flame Temperature: Currently not available</p>				9.12 Latent Heat of Vaporization: Currently not available	
<p>4.13 Combustion Molar Ratio (Reactant to Product): 27.0 (calc.)</p>				9.13 Heat of Combustion: Currently not available	
<p>4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed</p>				9.14 Heat of Decomposition: Currently not available	
5. CHEMICAL REACTIVITY				9.15 Heat of Solution: Currently not available	
<p>5.1 Reactivity with Water: No reaction.</p>				9.16 Heat of Polymerization: Not pertinent.	
<p>5.2 Reactivity with Common Materials: Currently not available</p>				9.17 Heat of Fusion: Currently not available	
<p>5.3 Stability During Transport: Stable.</p>				9.18 Limiting Value: Currently not available	
<p>5.4 Neutralizing Agents for Acids and Caustics: Not pertinent.</p>				9.19 Reid Vapor Pressure: Currently not available	
6. WATER POLLUTION				NOTES	
<p>6.1 Aquatic Toxicity: Currently not available</p>					
<p>6.2 Waterfowl Toxicity: Currently not available</p>					
<p>6.3 Biological Oxygen Demand (BOD): Currently not available</p>					
<p>6.4 Food Chain Concentration Potential: Currently not available</p>					
<p>6.5 GESAMP Hazard Profile: Bioaccumulation: + Damage to living resources: 3 Human Oral hazard: 1 Human Contact hazard: 1 Reduction of amenities: XX</p>					

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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
86	7.930		C U R R E N T L Y N O T A V A I L A B L E		C U R R E N T L Y N O T A V A I L A B L E		C U R R E N T L Y N O T A V A I L A B L E

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		C U R R E N T L Y N O T A V A I L A B L E		C U R R E N T L Y N O T A V A I L A B L E		C U R R E N T L Y N O T A V A I L A B L E