

# 2,6-DIETHYLANILINE

DMN

CAUTIONARY RESPONSE INFORMATION			4. FIRE HAZARDS	7. SHIPPING INFORMATION
Common Synonyms Aniline, 2,6-diethyl Benzeneamine, 2,6-diethyl-(9ci)	Liquid Floats, sparingly soluble in water	Colorless	<p>4.1 Flash Point: 254°F C.C.</p> <p>4.2 Flammable Limits in Air: Currently not available</p> <p>4.3 Fire Extinguishing Agents: Water spray, carbon dioxide, dry chemical, alcohol foam.</p> <p>4.4 Fire Extinguishing Agents Not to Be Used: Currently not available</p> <p>4.5 Special Hazards of Combustion Products: Emits toxic fumes under fire conditions.</p> <p>4.6 Behavior in Fire: Currently not available</p> <p>4.7 Auto Ignition Temperature: Currently not available</p> <p>4.8 Electrical Hazards: Currently not available</p> <p>4.9 Burning Rate: Currently not available</p> <p>4.10 Adiabatic Flame Temperature: Currently not available</p> <p>4.11 Stoichiometric Air to Fuel Ratio: 79.7 (calc.)</p> <p>4.12 Flame Temperature: Currently not available</p> <p>4.13 Combustion Molar Ratio (Reactant to Product): 18.5 (calc.)</p> <p>4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed</p>	<p>7.1 Grades of Purity: 99.5%</p> <p>7.2 Storage Temperature: Ambient.</p> <p>7.3 Inert Atmosphere: Currently not available</p> <p>7.4 Venting: Currently not available</p> <p>7.5 IMO Pollution Category: C</p> <p>7.6 Ship Type: 3</p> <p>7.7 Barge Hull Type: Currently not available</p>
Shut off ignition sources and call fire department. Avoid contact with liquid. Keep people away. Notify local health and pollution control agencies. Protect water intakes.			8. HAZARD CLASSIFICATIONS	
Fire  Combustible. POISONOUS GASES MAY BE PRODUCED IN FIRE. Water may be ineffective on fire. Wear full-face self-contained breathing apparatus and full protective clothing including rubber boots and heavy rubber gloves. Extinguish with dry chemical, alcohol foam or CO <sub>2</sub> . Cool exposed containers with water.			<p>8.1 49 CFR Category: Not listed.</p> <p>8.2 49 CFR Class: Not pertinent.</p> <p>8.3 49 CFR Package Group: Not listed.</p> <p>8.4 Marine Pollutant: No</p> <p>8.5 NFPA Hazard Classification: Not listed</p> <p>8.6 EPA Reportable Quantity: Not listed.</p> <p>8.7 EPA Pollution Category: Not listed.</p> <p>8.8 RCRA Waste Number: Not listed</p> <p>8.9 EPA FWPCA List: Not listed</p>	
Exposure  CALL FOR MEDICAL AID.  VAPOR/MIST Poisonous if inhaled. Irritating to eyes, nose and throat. Move the victim to fresh air. IF IN EYES, hold eyes open and flush with plenty of water. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen.  LIQUID Irritating to skin and eyes. If swallowed will cause nausea, dizziness, and headaches. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water.			9. PHYSICAL & CHEMICAL PROPERTIES	
Water Pollution  Effect of low concentrations on aquatic life is unknown. Fouling to shoreline. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.			<p>9.1 Physical State at 15°C and 1 atm: Liquid</p> <p>9.2 Molecular Weight: 149.24</p> <p>9.3 Boiling Point at 1 atm: 237°F = 114°C = 387.2°K</p> <p>9.4 Freezing Point: 37.4-39.2°F = 3-4°C = 275.2-277.2°K (at 10mmHg = 0.0132 atm)</p> <p>9.5 Critical Temperature: Currently not available</p> <p>9.6 Critical Pressure: Currently not available</p> <p>9.7 Specific Gravity: 0.906</p> <p>9.8 Liquid Surface Tension: Currently not available</p> <p>9.9 Liquid Water Interfacial Tension: Currently not available</p> <p>9.10 Vapor (Gas) Specific Gravity: 5.15</p> <p>9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available</p> <p>9.12 Latent Heat of Vaporization: Currently not available</p> <p>9.13 Heat of Combustion: Currently not available</p> <p>9.14 Heat of Decomposition: Currently not available</p> <p>9.15 Heat of Solution: Currently not available</p> <p>9.16 Heat of Polymerization: Currently not available</p> <p>9.17 Heat of Fusion: Currently not available</p> <p>9.18 Limiting Value: Currently not available</p> <p>9.19 Reid Vapor Pressure: Currently not available</p>	
1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Collection Systems: Skim Do not burn Clean shore line	2. CHEMICAL DESIGNATIONS		6. WATER POLLUTION	
	<p>2.1 CG Compatibility Group: 9; Aromatic amines</p> <p>2.2 Formula: (C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>C<sub>2</sub>H<sub>5</sub>NH<sub>2</sub></p> <p>2.3 IMO/UN Designation: Currently not available</p> <p>2.4 DOT ID No.: Not listed</p> <p>2.5 CAS Registry No.: 579-66-8</p> <p>2.6 NAERG Guide No.: Not listed.</p> <p>2.7 Standard Industrial Trade Classification: 51454</p>		<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: Not listed</p>	
3. HEALTH HAZARDS	3. HEALTH HAZARDS		NOTES	
<p>3.1 Personal Protective Equipment: Self-contained breathing apparatus, rubber boots, heavy rubber gloves and protective clothing.</p> <p>3.2 Symptoms Following Exposure: May be fatal if inhaled, swallowed or absorbed through the skin. Vapor or mist is irritant to the eyes, mucous membranes, upper respiratory tract; causes skin irritation. Absorption into the body leads to the formation of methemoglobin which, in sufficient concentration, may cause cyanosis. Onset may be delayed 2-4 hours or longer. Exposure can cause nausea, dizziness, headache, damage to the eyes, and blood effects.</p> <p>3.3 Treatment of Exposure: INHALATION: Call for medical help. Remove the victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. EYES: Immediately flush with copious amounts of water for 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. SKIN: Immediately flush with copious amounts of water for 15 minutes.</p> <p>3.4 TLV-TWA: Not listed.</p> <p>3.5 TLV-STEL: Not listed.</p> <p>3.6 TLV-Ceiling: Not listed.</p> <p>3.7 Toxicity by Ingestion: Grade 2; LD<sub>50</sub> = 1.8g/kg (rat)</p> <p>3.8 Toxicity by Inhalation: Currently not available.</p> <p>3.9 Chronic Toxicity: May be mutagenic.</p> <p>3.10 Vapor (Gas) Irritant Characteristics: Vapors are moderately irritating such that personnel will not usually tolerate moderate or high concentrations.</p> <p>3.11 Liquid or Solid Characteristics: Fairly severe skin irritant. Causes second and third degree burns on short contact and is very injurious to the eyes.</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>				

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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			CURRENTLY NOT AVAILABLE		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
SLIGHTLY SOLUBLE		68	0.000		CURRENTLY NOT AVAILABLE	0 25 50 75 100 125 150 175 200 225 250 275 300 325 350 375 400 425 450 475 500 525 550 575 600	0.262 0.276 0.289 0.303 0.316 0.329 0.342 0.354 0.367 0.379 0.391 0.403 0.415 0.427 0.438 0.449 0.461 0.472 0.482 0.493 0.503 0.514 0.524 0.534 0.544