

DODECYLMETHACRYLATE

DDM

| CAUTIONARY RESPONSE INFORMATION | | | |
|--|---|--|--|
| Common Synonyms Dodecyl-2-methyl-2-propenoate Lauryl methacrylate Methacrylic acid, dodecyl ester | Liquid Floats on water. | | |
| <p>Keep people away. Avoid contact with liquid and vapor. Wear self-contained positive pressure breathing apparatus and full protective clothing. Call fire department. Notify local health and pollution control agencies. Protect water intakes.</p> | | | |
| Fire | Combustible. Wear self-contained positive pressure breathing apparatus and full protective clothing. Poisonous gases may be produced in fire. Containers may explode in fire. Extinguish with foam, CO ₂ or dry chemicals. Cool exposed containers with water. | | |
| Exposure | CALL FOR MEDICAL AID. LIQUID Irritating to skin and eyes. Remove and isolate contaminated clothing and shoes at the site. IF IN EYES OR ON SKIN, flush with running water for at least 15 min; hold eyelids open if necessary. Wash skin with soap and water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk and induce vomiting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm. | | |
| 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. | | |

| 1. CORRECTIVE RESPONSE ACTIONS | 2. CHEMICAL DESIGNATIONS |
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| Stop discharge Contain Collection Systems: Skim Clean shore line | 2.1 CG Compatibility Group: 14; Acrylates 2.2 Formula: CH ₃ - C(CH ₃)CO ₂ (CH ₂) ₁₀ CH ₃ 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: Not listed 2.5 CAS Registry No.: 142-90-5 2.6 NAERG Guide No.: Not listed 2.7 Standard Industrial Trade Classification: 51373 |
| 3. HEALTH HAZARDS | |
| 3.1 Personal Protective Equipment: Wear self-contained positive pressure breathing apparatus and full protective clothing. | |
| 3.2 Symptoms Following Exposure: Inhalation temporarily reduces blood pressure from 5 to 25%, increases respiratory rate, decreases heart rate, and causes some EKG changes. Liquid may cause irritation of eyes and skin. May be harmful if swallowed. | |
| 3.3 Treatment of Exposure: INHALATION: Move victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. EYES OR SKIN: Flush with running water for at least 15 min; hold eyelids open if necessary. Wash skin with soap and water. INGESTION: If victim is conscious, have victim drink milk or water and induce vomiting. If victim is unconscious or having convulsions, do nothing except keep victim warm. | |
| 3.4 TLV-TWA: Not listed. 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed. 3.7 Toxicity by Ingestion: Grade 0; LD ₅₀ > 87.25 g/Kg (mouse) 3.8 Toxicity by Inhalation: Currently not available. 3.9 Chronic Toxicity: Currently not available 3.10 Vapor (Gas) Irritant Characteristics: Currently not available 3.11 Liquid or Solid Characteristics: Currently not available 3.12 Odor Threshold: Currently not available 3.13 IDLH Value: Not listed. 3.14 OSHA PEL-TWA: Not listed. 3.15 OSHA PEL-STEL: Not listed. 3.16 OSHA PEL-Ceiling: Not listed. 3.17 EPA AEGL: Not listed | |

| 4. FIRE HAZARDS | 7. SHIPPING INFORMATION |
|---|--|
| 4.1 Flash Point: >230°F C.C. | 7.1 Grades of Purity: Currently not available |
| 4.2 Flammable Limits in Air: Currently not available | 7.2 Storage Temperature: Currently not available |
| 4.3 Fire Extinguishing Agents: Foam, CO ₂ or dry chemical | 7.3 Inert Atmosphere: Currently not available |
| 4.4 Fire Extinguishing Agents Not to Be Used: Currently not available | 7.4 Venting: Currently not available |
| 4.5 Special Hazards of Combustion Products: Not pertinent. | 7.5 IMO Pollution Category: III |
| 4.6 Behavior in Fire: Heat can induce polymerization with rapid release of energy. Sealed containers may rupture explosively. | 7.6 Ship Type: 3 |
| 4.7 Auto Ignition Temperature: Currently not available | 7.7 Barge Hull Type: Currently not available |
| 4.8 Electrical Hazards: Currently not available | |
| 4.9 Burning Rate: Currently not available | |
| 4.10 Adiabatic Flame Temperature: Currently not available | |
| 4.11 Stoichiometric Air to Fuel Ratio: 109.5 (calc.) | |
| 4.12 Flame Temperature: Currently not available | |
| 4.13 Combustion Molar Ratio (Reactant to Product): 31.0 (calc.) | |
| 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed | |
| 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: Not listed | |
| 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 | |
| 9. PHYSICAL & CHEMICAL PROPERTIES | |
| 9.1 Physical State at 15°C and 1 atm: Liquid | |
| 9.2 Molecular Weight: 254.42 | |
| 9.3 Boiling Point at 1 atm: Currently not available | |
| 9.4 Freezing Point: -8°F = -22.2°C = 251°K | |
| 9.5 Critical Temperature: Currently not available | |
| 9.6 Critical Pressure: Currently not available | |
| 9.7 Specific Gravity: 0.868 at 25°C | |
| 9.8 Liquid Surface Tension: Currently not available | |
| 9.9 Liquid Water Interfacial Tension: Currently not available | |
| 9.10 Vapor (Gas) Specific Gravity: 8.8 (est.) | |
| 9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available | |
| 9.12 Latent Heat of Vaporization: Currently not available | |
| 9.13 Heat of Combustion: Currently not available | |
| 9.14 Heat of Decomposition: Currently not available | |
| 9.15 Heat of Solution: Currently not available | |
| 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 | |
| 6. WATER POLLUTION | NOTES |
| 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: Currently not available | |
| 6.5 GESAMP Hazard Profile: Bioaccumulation: 0 Damage to living resources: 1 Human Oral hazard: 1 Human Contact hazard: II Reduction of amenities: XX | |

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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 |
| INSOLUBLE | | | CURRENTLY NOT AVAILABLE | | CURRENTLY NOT AVAILABLE | | CURRENTLY NOT AVAILABLE |