

DODECYLBENZENESULFONIC ACID, ISOPROPYLAMINE SALT

DAI

CAUTIONARY RESPONSE INFORMATION			
Common Synonyms Isopropylamine dodecylbenzenesulfonate Dodecylbenzenesulfonate sodium salt Sodium dodecylbenzene sulfonate Naccanol NR or SW Detergent HD-90	Solid	Off-white	Sweet petroleum May float or sink and mix with water.
Keep people away. Avoid contact with solid. Notify local health and pollution control agencies. Protect water intakes.			
Fire	Combustible. Extinguish with dry chemicals, foam or carbon dioxide. Water may be ineffective on fire.		
Exposure	CALL FOR MEDICAL AID. SOLID Irritating to skin and eyes. If swallowed will cause nausea and vomiting. 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 SWALLOWED and victim is CONSCIOUS, have victim drink water or milk. 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. 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	3. HEALTH HAZARDS
Dilute and disperse Stop discharge	2.1 CG Compatibility Group: Not listed. 2.2 Formula: C ₁₂ H ₂₅ C ₆ H ₅ SO ₃ H.NG.CH(CH ₃) ₂ 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 2.7 Standard Industrial Trade Classification: 51549	3.1 Personal Protective Equipment: Rubber gloves; goggles; mask (for liquid form) 3.2 Symptoms Following Exposure: Ingestion causes mild irritation of mouth and stomach. Contact with liquid causes irritation of eyes and (on prolonged contact) mild irritation of skin. 3.3 Treatment of Exposure: INGESTION: give large amount of water; consult a doctor if large amount was ingested. EYES: flush with water for at least 15 min.; consult a doctor if irritation persists. SKIN: flush with water. 3.4 TLV-TWA: Not listed. 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed. 3.7 Toxicity by Ingestion: Grade 2; LD ₅₀ = 3.54 g/kg (rat) 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 Liquor or Solid Characteristics: Currently not available 3.12 Odor Threshold: Currently not available 3.13IDLH 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: (Liquid) > 300°F C.C.	7.1 Grades of Purity: Technical, 96+%; may also be shipped as a concentrated solution in a combustible petroleum solvent.
4.2 Flammable Limits in Air: No reaction	7.2 Storage Temperature: Ambient
4.3 Fire Extinguishing Agents: Water, foam, carbon dioxide, dry chemical	7.3 Inert Atmosphere: No requirement
4.4 Fire Extinguishing Agents Not to Be Used: Currently not available	7.4 Venting: Open
4.5 Special Hazards of Combustion Products: Toxic oxides of nitrogen may form in fire.	7.5 IMO Pollution Category: Currently not available
4.6 Behavior in Fire: Currently not available	7.6 Ship Type: Currently not available
4.7 Auto Ignition Temperature: Currently not available	7.7 Barge Hull Type: Currently not available
4.8 Electrical Hazards: Not pertinent	8. HAZARD CLASSIFICATIONS
4.9 Burning Rate: Not pertinent	8.1 49 CFR Category: Not listed
4.10 Adiabatic Flame Temperature: Currently not available	8.2 49 CFR Class: Not pertinent
4.11 Stoichiometric Air to Fuel Ratio: Not pertinent	8.3 49 CFR Package Group: Not listed.
4.12 Flame Temperature: Currently not available	8.4 Marine Pollutant: No
4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent	8.5 NFPA Hazard Classification: Not listed
4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed	8.6 EPA Reportable Quantity: Not listed.
5. CHEMICAL REACTIVITY	
5.1 Reactivity with Water: No reaction	9.1 Physical State at 15°C and 1 atm: Solid
5.2 Reactivity with Common Materials: Currently not available	9.2 Molecular Weight: 385.5
5.3 Stability During Transport: Stable	9.3 Boiling Point at 1 atm: Not pertinent (decomposes)
5.4 Neutralizing Agents for Acids and Caustics: Not pertinent	9.4 Freezing Point: Not pertinent
5.5 Polymerization: Not pertinent	9.5 Critical Temperature: Not pertinent
5.6 Inhibitor of Polymerization: Not pertinent	9.6 Critical Pressure: Not pertinent
6. WATER POLLUTION	
6.1 Aquatic Toxicity: Currently not available	9.7 Specific Gravity: 1.03 at 20°C (solid) 1.03 at 25°C (liquid)
6.2 Waterfowl Toxicity: Currently not available	9.8 Liquid Surface Tension: Not pertinent
6.3 Biological Oxygen Demand (BOD): Currently not available	9.9 Liquid Water Interfacial Tension: Not pertinent
6.4 Food Chain Concentration Potential: None	9.10 Vapor (Gas) Specific Gravity: Not pertinent
6.5 GESAMP Hazard Profile: Bioaccumulation: 0 Damage to living resources: 3 Human Oral hazard: 1 Human Contact hazard: I Reduction of amenities: X	9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent
NOTES	

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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
NOT PERTINENT			NOT PERTINENT		NOT PERTINENT		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
VERY SOLUBLE			NOT PERTINENT		NOT PERTINENT		NOT PERTINENT