

ETHOXYLATED DODECANOL

EOD

CAUTIONARY RESPONSE INFORMATION				4. FIRE HAZARDS	7. SHIPPING INFORMATION
Common Synonyms Ethoxylated dodecyl alcohol Ethoxylated lauryl alcohol Poly (oxyethyl) dodecyl ether Poly (oxyethyl) lauryl ether Tergitol nonionic TMN	Oily liquid Mixes slowly with water. Freezing point is 61°F.	Colorless to yellow Pleasant odor		<p>4.1 Flash Point: 470°F O.C. 4.2 Flammable Limits in Air: Not pertinent 4.3 Fire Extinguishing Agents: Dry chemical, carbon dioxide, or alcohol foam. 4.4 Fire Extinguishing Agents Not to Be Used: Not pertinent 4.5 Special Hazards of Combustion Products: Not pertinent 4.6 Behavior in Fire: Not pertinent 4.7 Auto Ignition Temperature: Currently not available 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: Currently not available 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichiometric Air to Fuel Ratio: Not pertinent 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed</p>	<p>7.1 Grades of Purity: Usually 100% 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open (flame arrester) 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available</p>
	Avoid contact with liquid. Call fire department. Notify local health and pollution control agencies. Protect water intakes.				8. HAZARD CLASSIFICATIONS
Fire	Combustible. Extinguish with water, foam, dry chemical, or carbon dioxide.				<p>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</p>
Exposure	CALL FOR MEDICAL AID. LIQUID Irritating to skin. Will burn eyes. Harmful if swallowed. 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.				9. PHYSICAL & CHEMICAL PROPERTIES
Water Pollution	Effect of low concentration 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>9.1 Physical State at 15°C and 1 atm: Liquid 9.2 Molecular Weight: 450-626 9.3 Boiling Point at 1 atm: Very high 9.4 Freezing Point: 61°F = 16°C = 289°K 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 1.02 at 20°C (liquid) 9.8 Liquid Surface Tension: Not pertinent 9.9 Liquid Water Interfacial Tension: Not pertinent 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent 9.12 Latent Heat of Vaporization: Not pertinent 9.13 Heat of Combustion: (est.) -11,00 Btu/lb = -6,200 cal/g = -260 X 10³ J/kg 9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Solution: Not pertinent 9.16 Heat of Polymerization: Not pertinent 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available</p>
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge	2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: 20; Alcohol, glycol 2.2 Formula: C ₁₂ H _{2n} O(CH ₂ CH ₂ O) _n CH ₂ CH ₂ OH where n = 6-10 (average) 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: 51219	3. HEALTH HAZARDS 3.1 Personal Protective Equipment: Plastic gloves, goggles. 3.2 Symptoms Following Exposure: Liquid causes eye injury and de-fats the skin, causing irritation. 3.3 Treatment of Exposure: Flush eyes with water for at least 15 min. Wash skin well with water. Get medical attention. 3.4 TLV-TWA: Not listed. 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed. 3.7 Toxicity by Ingestion: Grade 1; LD ₅₀ = 5-15 g/kg (rat) 3.8 Toxicity by Inhalation: Currently not available. 3.9 Chronic Toxicity: Currently not available 3.10 Vapor (Gas) Irritant Characteristics: None 3.11 Liquid or Solid Characteristics: Liquid causes eye injury. Contact with skin may cause irritation. 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. WATER POLLUTION 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: None 6.5 GESAMP Hazard Profile: Not listed	NOTES	

ETHOXYLATED DODECANOL

EOD

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
61	63.290	68	0.478		N		NOT
62	63.260	69	0.478		O		NOT
63	63.220	70	0.478		T		PERTINENT
64	63.190	71	0.478		P		PERTINENT
65	63.150	72	0.478		R		PERTINENT
66	63.120	73	0.478		T		PERTINENT
67	63.080	74	0.478		I		PERTINENT
68	63.050	75	0.478		N		PERTINENT
69	63.010	76	0.478		E		PERTINENT
70	62.980	77	0.478		N		PERTINENT
71	62.940	78	0.478		E		PERTINENT
72	62.910	79	0.478		N		PERTINENT
73	62.870	80	0.478		O		PERTINENT
74	62.840	81	0.478		T		PERTINENT
75	62.800	82	0.478		P		PERTINENT
76	62.770	83	0.478		R		PERTINENT
77	62.730	84	0.478		T		PERTINENT
78	62.700	85	0.478		I		PERTINENT
79	62.670				N		PERTINENT
80	62.630				O		PERTINENT
81	62.600				T		PERTINENT
82	62.560				P		PERTINENT
83	62.530				R		PERTINENT
84	62.490				T		PERTINENT
85	62.460				I		PERTINENT
86	62.420				N		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
68	10.000		NOT PERTINENT		NOT PERTINENT		NOT PERTINENT