

SODIUM METHYLATE

SML

CAUTIONARY RESPONSE INFORMATION			
Common Synonyms	Solid	White	Odorless
Mixes with water.			
Keep people away. Avoid contact with solid and dust. Shut off ignition sources and call fire department. Notify local health and pollution control agencies. Protect water intakes.			
Fire	FLAMMABLE. Flood discharge area with water. Extinguish with dry chemicals or carbon dioxide.		
Exposure	Call for medical aid. DUST Irritating to eyes, nose and throat. Move victim to fresh air. If in eyes, hold eyelids open and flush with plenty of water. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. SOLID Irritating to skin and eyes. Harmful if swallowed. 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 and have victim 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. 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	4. FIRE HAZARDS	5. CHEMICAL REACTIVITY	6. WATER POLLUTION	7. SHIPPING INFORMATION
Dilute and disperse Stop discharge Chemical and Physical Treatment: Burn; Neutralize	2.1 CG Compatibility Group: Not listed. 2.2 Formula: CH ₃ ONa 2.3 IMO/UN Designation: 4.3/1431 2.4 DOT ID No.: 1431 2.5 CAS Registry No.: 124-41-4 2.6 NAERG Guide No.: 138 2.7 Standard Industrial Trade Classification: 51550	3.1 Personal Protective Equipment: Self-contained breathing apparatus; rubber gloves and apron; goggles or face shield. 3.2 Symptoms Following Exposure: Inhalation of dust causes severe irritation of nose and throat. Contact with eyes or skin causes severe irritation and burns. Ingestion causes irritation of mouth and stomach. 3.3 Treatment of Exposure: Get medical attention at once following all exposures to this compound. INHALATION: remove victim from contamination and keep him quiet and warm. Rest is essential. Hot tea or coffee may be given as a stimulant if patient is conscious. If breathing has apparently ceased, give artificial respiration. If available, oxygen should be administered by experienced personnel. EYES: wash well with water, then with 3% boric acid solution and additional water washes. SKIN: wash well with water, then with dilute vinegar. INGESTION: if victim is conscious, induce vomiting by administering a glassful of warm water containing a teaspoon full of salt; repeat until vomit is clear, then give two teaspoons of baking soda every 15 min.; keep victim's eyes covered until all visual and retinal changes have disappeared; alert physician to possibility of methyl alcohol poisoning. 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. 3.10 Vapor (Gas) Irritant Characteristics: Not pertinent 3.11 Liquid or Solid Characteristics: Currently not available 3.12 Odor Threshold: Odorless 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	4.1 Flash Point: Not pertinent (flammable solid) 4.2 Flammable Limits in Air: Not pertinent 4.3 Fire Extinguishing Agents: Dry chemical, inert powders such as sand or limestone, carbon dioxide 4.4 Fire Extinguishing Agents Not to Be Used: Water, foam 4.5 Special Hazards of Combustion Products: Not pertinent 4.6 Behavior in Fire: Contact with water or foam applied to adjacent fires will produce flammable methanol. 4.7 Auto Ignition Temperature: Not pertinent 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: Not pertinent 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	5.1 Reactivity with Water: Produces a caustic soda solution and a solution of methyl alcohol. The reaction is not violent. 5.2 Reactivity with Common Materials: Attacks certain plastics such as nylon and polyesters 5.3 Stability During Transport: Stable if dry 5.4 Neutralizing Agents for Acids and Caustics: Water, followed by dilute acetic acid or vinegar 5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent	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: Bioaccumulation: 0 Damage to living resources: 1 Human Oral hazard: - Human Contact hazard: - Reduction of amenities: -	7.1 Grades of Purity: 97+%
						7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: Padded, dry nitrogen 7.4 Venting: Safety relief 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available

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
MIS CIB LE REA CTS			NOT PERTINENT		NOT PERTINENT		NOT PERTINENT