SODIUM METHYLATE SOLUTION, 30%

Section 1 - Product and Company Information
Product Name SODIUM METHYLATE SOLUTION, 30%

Section 2 - Composition/Information on Ingredient
Substance Name
SODIUM METHOXIDE, 30 WT% SOLUTION
Ingredient Name CAS # Percent SARA 313
METHANOL 67-56-1 70 Yes
SODIUM METHOXIDE 124-41-4 30 No
Formula CH3NaO

Section 3 - Hazards Identification
EMERGENCY OVERVIEW
Flammable (USA) Highly Flammable (EU). Toxic.
Reacts violently with water. Toxic by inhalation, in contact with skin and if swallowed. Causes burns. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
Target organ(s): Kidneys. Eyes.
HMIS RATING
HEALTH: 3*
FLAMMABILITY: 3
REACTIVITY: 2
SPECIAL HAZARD(S): Water reactive
NFPA RATING
HEALTH: 3

MATERIAL SAFETY DATA SHEETS

Manufacturer: PHARMCO-AAPER
58 Vale Road
Brookfield, Connecticut 06804, USA
Phone (203) 740-3471
Fax (203) 740-3481

1101 Isaac Shelby Drive
Shelbyville, KY 40065
Phone (502) 633-0650
Fax (502) 633-0685

Emergency Contact:
CHEMTREC 1-800-424-9300
FLAMMABILITY: 3
REACTIVITY: 2
SPECIAL HAZARD(S): Water reactive
*additional chronic hazards present.
For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE
If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

INHALATION EXPOSURE
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

EYE EXPOSURE
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

FLAMMABLE HAZARDS
Flammable Hazards: Yes

EXPLOSION HAZARDS
Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions.

FLASH POINT
91.4 °F 33 °C Method: closed cup

EXPLOSION LIMITS
Lower: 5.5 % Upper: 26.5 %

AUTOIGNITION TEMP
315 °C

FLAMMABILITY N/A

EXTINGUISHING MEDIA
Suitable: Carbon dioxide, dry chemical powder, or appropriate foam.
Unsuitable: Do not use water.

FIREFIGHTING
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable liquid. Emits toxic fumes under fire conditions. Water reactive material.

Section 6 - Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL
Evacuate area. Shut off all sources of ignition. PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

ENVIRONMENTAL PRECAUTION(S)
Do not allow material to enter drains or water courses. Avoid contaminating sewers and waterways with this material.

Section 7 - Handling and Storage
HANDLING
User Exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched. Wash thoroughly after handling.

STORAGE
Suitable: Keep tightly closed. Keep away from heat, sparks, and open flame. Store in a cool dry place. Store under argon. Incompatible Materials: Do not allow contact with water.

Section 8 - Exposure Controls / PPE
ENGINEERING CONTROLS
Safety shower and eye bath. Use nonsparking tools. Use only in a chemical fume hood.

PERSONAL PROTECTIVE EQUIPMENT
Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Use supplied-air or SCBA respirators. Europe permits the use of type AXBEK full-face cartridge respirators (EN 14387).

Hand: Compatible chemical-resistant gloves.
Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES Wash thoroughly after handling.
Discard contaminated clothing and shoes.

EXPOSURE LIMITS
Country Source Type Value
Poland NDS 100 MG/M3
Poland NDSCh 300 MG/M3
Poland NDSP –

Section 9 - Physical/Chemical Properties
Appearance Physical State: Liquid
Property Value At Temperature or Pressure
Molecular Weight 54.02 AMU
pH N/A
BP/BP Range 93 °C
MP/MP Range < 6 °C
Freezing Point N/A
Vapor Pressure 34 mbar 20 °C
Vapor Density N/A
Saturated Vapor Conc. N/A
SG/Density 0.97 g/cm3
Bulk Density N/A
Odor Threshold N/A
Volatile% N/A
VOC Content N/A
Water Content N/A
Solvent Content N/A
Evaporation Rate N/A
Viscosity 0.076 Pas 20 °C
Surface Tension N/A
Partition Coefficient N/A
Decomposition Temp. N/A
Flash Point 91.4 °F 33 °C Method: closed cup
Explosion Limits Lower: 5.5 %
Upper: 26.5 %
Flammability N/A
Autoignition Temp 315 °C
Refractive Index N/A
Optical Rotation N/A
Miscellaneous Data N/A
Solubility N/A
N/A = not available

Section 10 - Stability and Reactivity

STABILITY
Stable: Stable.
Conditions to Avoid: Do not allow water to enter container because of violent reaction.
Materials to Avoid: Water, Acids, Acid chlorides, Acid anhydrides, Alkali metals, Chlorinated solvents, Oxidizing agents, Reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.
HAZARDOUS POLYMERIZATION
Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE
Skin Contact: Causes burns.
Skin Absorption: Toxic if absorbed through skin.
Eye Contact: Causes burns.
Inhalation: Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Ingestion: Toxic if swallowed.
TARGET ORGAN(S) OR SYSTEM(S)
SIGNS AND SYMPTOMS OF EXPOSURE
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

Section 12 - Ecological Information
No data available.
Section 13 - Disposal Considerations
APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION
Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information
DOT
Proper Shipping Name: Sodium methylate solutions [in alcohol]
UN#: 1289
Class: 3
Packing Group: Packing Group III
Hazard Label: Flammable liquid
Hazard Label: Corrosive
PIH: Not PIH
IATA
Proper Shipping Name: Sodium methylate solution
IATA UN Number: 1289
Hazard Class: 3
Packing Group: III

Section 15 - Regulatory Information
EU ADDITIONAL CLASSIFICATION
Symbol of Danger: T-C
R: 23/24/25-10-39/23/24/25-34
Risk Statements: Toxic by inhalation, in contact with skin and if swallowed. Flammable. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. Causes burns.
S: 16-26-36/37/39-45
Safety Statements: Keep away from sources of ignition - no smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
US CLASSIFICATION AND LABEL TEXT
Risk Statements: Reacts violently with water. Toxic by inhalation, in contact with skin and if swallowed. Causes burns.
Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
Safety Statements: Keep container tightly closed. Keep away from sources of ignition - no smoking. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
US Statements: Target organ(s): Kidneys. Eyes.
UNITED STATES REGULATORY INFORMATION
SARA LISTED: Yes
NOTES: This product is or contains a component that is subject to SARA313 reporting requirements.

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No
NDSL: No

Section 16 - Other Information

The information contained herein is based on data considered to be accurate based on the material as packaged. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user’s obligation to determine the conditions of safe use of the product. While this MSDS is based on technical data judged to be reliable, PHARMCO-AAPER assumes no responsibility for the completeness or accuracy of the information contained herein.