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Material Safety Data Sheet

Effective Date: 01/15/03

I. CHEMICAL PRODUCT

Product: MOPS, Sodium Salt
Alternate Names: .4-Morpholinepropanesulfonic acid, sodium salt
General Use: Laboratory reagent

II. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

MOPS Sodium 99-100%
MF: C₇H₁₄NNaO₄S
M.W: 231.25

CAS No: 71119-22-7
EINECS No: Not Listed
OSHA PEL: Not listed

III. HAZARDS IDENTIFICATION

Harmful if swallowed or inhaled

IV. FIRST AID MEASURES

Eyes: Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical attention.

Skin: Rinse area with large amounts of water for at least 15 minutes. Remove contaminated clothing and footwear.

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Consult medical personnel.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Water, dry chemical, foam, or carbon dioxide.

Fire Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

VI. ACCIDENTAL RELEASE MEASURES

Take up by mechanical means (avoid dust formation) and place into sealed containers for adequate disposal. Do not allow to enter in the sewage or ground waters. Wash contaminated area well with soap and water.

VII. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid dust formation. Avoid creating dust. Use with adequate ventilation. Keep container closed. Wash hands thoroughly after handling. Containers of this material may be hazardous when empty since they retain product residues (dusts, solids) observe all warnings and precautions listed for this product.

Storage: Store in a cool well-ventilated area away from sources of heat, flame, or ignition. Keep containers tightly closed and dry.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH approved

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Skin/Hand Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white powder

Boiling Point: no info

Melting Point: no info

Bulk density: N/A

pH (1% solution at 20°C.): 10.0 (0.1 M solution)

Solubility in water: 100%

Vapor density (air =1): N/A

Vapor pressure (mm Hg at 20°C.): N/A

% Volatile by volume: N/A

X. STABILITY AND REACTIVITY

Flash Point: Not available

Stability: Stable under ordinary conditions of use and storage

Incompatibility: Strong oxidizing agents

Hazardous decomposition products: Oxides of nitrogen, sulfur oxides carbon monoxide, carbon dioxide

Hazardous polymerization: Will not occur

XI. TOXICOLOGICAL INFORMATION

Toxicity:

Irritation:

Note:

XII. ECOLOGICAL INFORMATION

Water/AIR Pollution: No information found
Biodegradability: No information found

XIII. DISPOSAL CONSIDERATIONS

Waste Disposal Method:
Container Disposal:

XIV. TRANSPORT INFORMATION

Not regulated
UN No: Not applicable

XV. REGULATORY INFORMATION

Canadian WHMIS Hazard Class and Division:
Symbol (European Union):
EEC Warning Label Statement:
Water Pollution Class (Germany):

XVI. OTHER INFORMATION

The information presented in this Material Safety Data Sheet is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide for safety precautions. The data does not reflect a guarantee of any product properties