

Material Safety Data Sheet

Section 1

Metro-Chem, Inc.
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Other Information: 973-589-2800
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Section 2 – Hazardous Ingredients\Identity

Hazardous Component: Chemical & Common Name: Trade Secret Registry

OSHA PEL: n/a ACGIH: n/a OTHER EXPOSURE LIMITS: n/a

Hazardous Component: Chemical & Common Name: Water CAS# 7732-18-5

OSHA Pel: n/a ACGIH: n/a OTHER EXPOSURE LIMITS: n/a

DOT SHIPPING INFORMATION: Cleaning compound, Liquid, N.O.S.

Section 3 – Physical & Chemical Characteristics

BOILING POINT: >400 F (>204.4 °C)

SPECIFIC GRAVITY (H2O=1): n/a

VAPOR PRESSURE (mm Hg): 1.11mmHg

VAPOR DENSITY (Air=1): 61.179lb/ft³ (0.98 g/cm³)

SOLUBILITY IN WATER: Completely Soluble

REACTIVITY IN WATER: None

APPEARANCE AND ODOR: Water White with mild odor

MELTING POINT: -107 – 70 F (-77 – 21 °C)

MOLECULAR WEIGHT: n/a

Section 4 – Fire & Explosion Hazard Data

FLASH POINT: >126 °C

FIRE & EXPLOSION HAZARDS: Incomplete combustion may form carbon monoxide. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

EXTINGUISHER MEDIA: Alcohol-resistant foam, Carbon dioxide (CO₂), Dry chemical, Dry sand and limestone powder.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not noted

Section 5 – Physical Hazards (reactivity data)

STABILITY: Stable under normal conditions

MATERIALS TO AVOID: Reactive metals (e.g. Sodium, calcium, zinc, etc.) Materials reactive with hydroxyl compounds. Copper alloys, strong acids and oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide (CO₂), Aldehydes and Flammable hydrocarbon fragments.

Section 6 – Health Hazards

1. **ACUTE (immediate):** Eye irritant, mild skin irritation and harmful if swallowed.
2. **CHRONIC (delayed effect):** This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

SIGNS AND SYMPTOMS OF EXPOSURE: Eye irritation.

EMERGENCY AND FIRST AID PROCEDURES:

ROUTES OF ENTRY

1. **INHALATION:** Move to fresh air.
2. **EYES: Irritant:** Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses
3. **SKIN: Low order of toxicity.** Wash off immediately with plenty of water for at least 20 minutes. Wash off with soap and water. Immediately remove contaminated clothing, and any extraneous chemical, if possible do so without delay
4. **INGESTION:** Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

SECTION 7 – Precautions and Spill\Leak Procedures

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Handling: Emergency showers and eye stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protections equipment when using, do not eat, drink or smoke.

Storage: Keep away from direct sunlight. Overheating of an ethoxylate stored under air should be avoided. When an ethoxylate is vigorously missed in the presence of air or oxygen at temperatures >125 F (50 C), it can degrade product quality. Storage under an inert atmosphere is recommended. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage temperature: 70 – 125 F (21 – 51.7 C)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Construct a dike to prevent spreading.

WASTE DISPOSAL METHODS (consult Federal, State and local regulations): In accordance with existing federal, state and local regulations.

SECTION 8 – Special Protection & Information\Control Measures

RESPIRATORY PROTECTION (Specify Type): Not required for properly ventilated areas.

VENTILATION: LOCAL EXHAUST: Adequate **MECHANICAL:** Adequate **OTHER:** None required

PROTECTIVE GLOVES: Neoprene Gloves, Nitrile rubber, Polyvinyl Alcohol Gloves (PVA). The breakthrough time of the selected glove(s) must be greater than the intended use period.

EYE PROTECTION: Chemical resistant goggles must be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long sleeve shirts and trousers without cuffs.

WORK\HYGENIC PRACTICES: Eyewash station and safety showers should be handy. Wash at the end of each workshift and before eating, smoking or using the toilet.

We believe the information contained herein is true: however, no warranties, expressed or implied are made or intended herein with respect to such information.