

Material Safety Data Sheet

Section 1

Metro-Chem, Inc.
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Emergency Phone No.: 800-424-9300
Other Information: 973-589-2800
Date Prepared: April 9, 2013
Last Revision: April 9, 2013

Section 2 – Hazardous Ingredients/Identity

Hazardous Component: Chemical & Common Name: Disodium Trioxosilicate, Pentahydrate CAS# 6834-92-0

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

Hazardous Component: Chemical & Common Name: Alkylphenol Ethoxylate CAS# 9016-45-9

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

Hazardous Component: Chemical & Common Name: Calcium Silicate CAS# 1344-95-2

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

Hazardous Component: Chemical & Common Name: sodium tripolyphosphate CAS# 7758-29-4

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

DOT SHIPPING INFORMATION: UN3262, Corrosive solid, Basic Inorganic, N.O.S. (Disodium Trioxosilicate Pentahydrate), 8, PG II

Section 3 – Physical & Chemical Characteristics

BOILING POINT: n/a

SPECIFIC GRAVITY (H2O=1): 30#/cu. ft

VAPOR PRESSURE (mm Hg): n/a

VAPOR DENSITY (Air=1): n/a

SOLUBILITY IN WATER: Completely Soluble

REACTIVITY IN WATER: None

APPEARANCE AND ODOR: off white fine powder, pungent order

MELTING POINT: n/a

MOLECULAR WEIGHT: n/a

Section 4 – Fire & Explosion Hazard Data

FLASH POINT: n/a

FIRE & EXPLOSION HAZARDS: This mixture may form hydrogen when in contact with aluminum and/or zinc which can be explosive in a poorly ventilated area.

EXTINGUISHER MEDIA: Non-flammable mixture

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 CONDITIONS TO AVOID: Moist environments

MATERIALS TO AVOID: Prolonged contact with zinc or aluminum when wet.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen due to its flammability

Section 6 – Health Hazards

1. **ACUTE (immediate):** Acute hazard to eyes.
2. **CHRONIC (delayed effect):** May cause primary dermatitis.

SIGNS AND SYMTOMS OF EXPOSURE: Eye irritation and skin 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 15 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:** Do not induce vomiting. Drink large amounts of milk if available or water to dilute. Seek medical attention.

SECTION 7 – Precautions and Spill\Leak Procedures

PRECAUSTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in cool, dry area. Wear adequate personal pertection.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up as much as possible. Spilled powder may be reused if clean.

WASTE DISPOSAL METHODS (consult Federal, State and local regulations): If not reusable, remove properly labeled container to an approved chemical waster disposal area. Comply with local, state and federal regulations for disposal. People performing this work should wear adequate personal protective equipment and clothing.

SECTION 8 – Special Protection & Information\Control Measures

RESPIRATORY PROTECTION (Specify Type): Not normally needed. In cases where large quantities are handled, and dusts are generated, NIOSH approved respirators are recommended.

VENTILATION: LOCAL EXHAUST: Adequate **MECHANICAL:** n/a **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: Safety goggles, or glasses, or face shield required.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical resistant shoes and/or apron recommended.

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.