

Material Safety Data Sheet

Quick Identifier:
Evolve

Section 1

Metro-Chem, Inc.
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Kearny, NJ 07032

Emergency Phone No. 800-424-9300
Other Information 973-589-2800
Date Prepared: April 20, 1998
Last Revision: October 28, 2004

Section 2 Hazardous Ingredients\identity

HAZARDOUS COMPONENT: CHEMICAL & COMMON NAME: Alkylphenol Ethoxylate
OSHA PEL: n/a ACGIH TLV: n/a OTHER EXPOSURE LIMITS: n/a CAS NO. 9016-45-9

HAZARDOUS COMPONENT: CHEMICAL/COMMON NAME: Disodium Trioxosilicate, Anhydrous
OSHA PEL: n/a ACGIH TLV: n/a OTHER EXPOSURE LIMITS: n/a CAS NO. 6834-92-0

HAZARDOUS COMPONENT: CHEMICAL/COMMON NAME: Sodium Tripolyphosphate
OSHA PEL: none ACGIH TLV: none OTHER EXPOSURE LIMITS: none CAS NO. 13573-18-7

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

Section 3 Physical & Chemical Characteristics

BOILING POINT: n/a SPECIFIC GRAVITY (H2O=1): not available
VAPOR PRESSURE (mm Hg): n/a VAPOR DENSITY (Air=1): n/a
SOLUBILITY IN WATER: complete REACTIVITY IN WATER: n/a
APPEARANCE AND ODOR: off white powder, slight citrus scent MELTING POINT: n/a

Section 4 Fire and Explosion Hazard Data

FLASH POINT: n/a METHOD USED: n/a
FLAMMABLE LIMITS IN AIR % BY VOLUME: LEL LOWER: n/a UEL UPPER: n/a
AUTO-IGNITION TEMPERATURE: n/a
EXTINGUISHER MEDIA: non-flammable mixture: water spray, carbon dioxide, other suffocating agents
SPECIAL FIRE FIGHTING PROCEDURES: standard fire fighting techniques.
UNUSUAL FIRE AND EXPLOSION HAZARDS: There is a possibility of wet mixture forming hydrogen when in contact with aluminum and/or zinc.

Section 5 Physical Hazards (reactivity data)

STABILITY: Normally Stable CONDITIONS TO AVOID: Moist hot atmospheres.
INCOMPATIBILITY (MATERIALS TO AVOID): Prolonged contact with zinc or aluminum when wet.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen due to it's flammability.
HAZARDOUS POLYMERIZATION: Will Not Occur.
CONDITIONS TO AVOID: constant contact with zinc or aluminum.

Section 6 Health Hazards

1. ACUTE (Immediate): acute hazard to eyes
2. CHRONIC (Delayed Effect): may cause primary irritant dermatitis

SIGNS AND SYMPTOMS OF EXPOSURE: skin irritation

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: over exposure may cause damage to respiratory tract.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NATIONAL TOXICOLOGY PROGRAM: NO I.A.R.C. MONOGRAPHS: NO OSHA: NO

EMERGENCY AND FIRST AID PROCEDURES

ROUTES OF ENTRY

1. INHALATION: Harmful if inhaled. Leave area of exposure. Breathe fresh air. If discomfort persists, obtain medical attention.
2. EYES: Flush with large amounts of water for at least 15 minutes. Seek medical attention.
3. SKIN: Wash large amounts of water. If irritation occurs and persists, obtain medical attention.
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

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

OTHER PRECAUTIONS: none

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up as much as possible and placed in a labeled closed container.

WASTE DISPOSAL METHODS (Consult federal, state, and local regulations): If non reusable, remove to an approved chemical waste 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 exhaust MECHANICAL: n/a SPECIAL: n/a OTHER: n/a

PROTECTIVE GLOVES: Rubber or chemical resistant required.

EYE PROTECTION: Safety goggles, or glasses, or face shield required.

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

WORK/HYGIENIC PRACTICES: Eyewash station and safety showers should be handy.

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