

**Material Safety Data Sheet**Quick Identifier:  
Evolve-NP**Section 1**Metro-Chem, Inc.  
24 Pennsylvania Avenue  
Post Office Box 401  
Kearny, NJ 07032Emergency Phone No. 800-424-9300  
Other Information 973-589-2800  
Date Prepared: April 20, 1998  
Last Revision: February 28, 2005**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. 9016-45-9HAZARDOUS COMPONENT: CHEMICAL/COMMON NAME: Disodium Trioxosilicate, Anhydrous  
OSHA PEL: n/a ACGIH TLV: n/a OTHER EXPOSURE LIMITS: n/a CAS NO. 6834-92-0HAZARDOUS COMPONENT: CHEMICAL/COMMON NAME:  
OSHA PEL: none ACGIH TLV: none OTHER EXPOSURE LIMITS: noneDOT SHIPPING INFORMATION: *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.

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## Section 6 Health Hazards

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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.

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## Section 7 Precautions and Spill\Leak Procedures

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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.

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## Section 8 Special Protection Information\Control Measures

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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.

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