

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME (as used on Label) **CATEXOL™ 1000 N**

Product Use: Water reducer for Concrete.

| | | |
|--------------------------------|-----------------------------------|------------------------------|
| Manufacturer's Name & Address: | Emergency Telephone Number: | (800) 424-9300 (CHEMTREC) |
| AXIM | Telephone Number for Information: | (330) 966-0444 Ext. 2046 |
| P.O. Box 234 | Date Prepared: | May 2006 |
| 8282 Middlebranch Road | | |
| Middlebranch, Ohio 44652 | | |

MSDS Prepared By: Industrial Health & Safety Consultants, Inc.

MSDS Number: 2000007-1 **Cancels MSDS #:** No MSDS # (Rev. April, 2004) **Date of Last Rev.:** April, 2004

SECTION 2. HAZARDS IDENTIFICATION

This product is a dark brown liquid with no odor

EMERGENCY OVERVIEW

CAUTION!

May cause eye and skin irritation.

See Section 11 for detailed information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | Amount by Wt. |
|-----------------------|------------|---------------|
| Sodium Glucoheptonate | 31138-65-5 | 10-30% |
| Glycerin | 56-81-5 | 1-10% |

SECTION 4. FIRST AID MEASURES

Eye: Immediately flush eyes with large quantities of water, holding the eyelids apart. Get medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops or persists, get medical attention. Launder clothing before re-use.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. If conscious, rinse mouth with water and give one glass of water. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

Inhalation: Remove to fresh air. Get medical attention if irritation persists.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media: This product is not combustible in liquid form. Use any media that is appropriate for the surrounding fire.

Special Fire Fighting Procedure: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards: This product is an aqueous solution that will not burn, however, dried product will burn under fire conditions.

Hazardous Combustion Products: Oxides of carbon and acrolein.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing as described in Section 8. Reclaim for reuse or collect liquid with an inert absorbent and place into container. Report releases as required by local, state and federal authorities.

SECTION 7. HANDLING AND STORAGE

Handling: Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment. Wash thoroughly with soap and water after handling.

Empty containers retain product residues can be hazardous. Follow all MSDS precautions when handling empty containers.

Storage: Store in a dry, area away from excessive heat and incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

| | |
|-----------------------|--|
| Sodium Glucoheptonate | None Established |
| Glycerin | 5 mg/m ³ (respirable) TWA OSHA PEL |
| | 15 mg/m ³ (total mist) TWA OSHA PEL |
| | 10 mg/m ³ TWA ACGIH TLV |

Engineering Controls: General ventilation is normally adequate. For operations where exposure limits are exceeded, local exhaust ventilation or other mechanical ventilation may be needed.

Respiratory Protection: If exposure limits are exceeded, a NIOSH approved particulate (dust/mist) respirator (N95 or better filters) may be worn. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134, CSA Standard Z94.4-02 and good industrial hygiene practice.

Skin Protection: Wear impervious gloves such as rubber if needed to avoid contact.

Eye Protection: Safety glasses or goggles recommended if needed to avoid eye contact.

Other: Wear impervious clothing as needed to avoid contact.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Dark Brown aqueous solution with no odor.

| | |
|--|--|
| Physical State: Liquid | Boiling Point: Not determined |
| Vapor Density: Not applicable | Vapor Pressure: Not applicable |
| Solubility In Water: 100% | Evaporation Rate: Same as water |
| Specific Gravity: 1.215 +/- 0.020 @ 25°C | pH: 8.0 +/- 2.0 |
| Melting Point: Not applicable | Octanol/Water Coefficient: Not determined |
| Flash Point: None | Flammable Limits: LEL: Not applicable UEL: Not applicable |

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon and acrolein.

Hazardous Polymerization: Will Not Occur

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: Ingestion of large amounts may cause irritation of the mouth, throat and gastrointestinal tract.

Inhalation: Inhalation of mists may cause respiratory irritation with symptoms of coughing and sore throat.

Eye: Contact may cause mild irritation with redness and tearing. Corneal injury is unlikely.

Skin: Contact may cause mild irritation. Repeated and prolonged contact may result in dermatitis.

Sensitization: Not expected to cause sensitization.

Chronic: None known.

Carcinogenicity: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH or OSHA.

Mutagenicity: None of the components are known to cause mutagenic effects.

Medical Conditions Aggravated by Exposure: Employees with pre-existing skin conditions may be at increased risk from exposure.

Acute Toxicity Values:

Sodium Gluconate: No data available

Glycerin: Oral Rat LD50 >2000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

No data available. This product is not expected to cause adverse effects in the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose according to local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

This product is not regulated for transportation by US DOT or Canadian TGD.

Surface Freight Classification: Concrete or Masonry Plasticizer and Water Reducing Compound

SECTION 15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA release reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute health

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are listed on, or exempt from, the EPA TSCA Inventory.

CANADA:

This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

Canadian WHMIS Classification: Class D - Division 2 - Subdivision B - (A toxic material causing other chronic effects)

Canadian CEPA: All of the ingredients in this product are listed on, or exempt from, the Canadian DSL.

SECTION 16. OTHER INFORMATION

NFPA Rating: Health = 1 Fire = 0 Instability = 0
HMIS Rating: Health = 1 Fire = 0 Reactivity = 0
4 = Severe Hazard 3 = Serious Hazard 2 = Moderate Hazard 1 = Slight Hazard 0 = Minimal Hazard

REVISION SUMMARY:

Date Prepared: January, 2002

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MSDS Prepared By: Industrial Health & Safety Consultants, Inc.
Address: 6 Lunar Drive, Woodbridge, CT 06525
Author: Denese A. Deeds, CIH
 Senior Consultant
MSDS Preparer Phone No.: 203-929-3473 fax 203-929-5823

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of this data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, state and local laws and regulation applicable to safety, occupational health, right to know and environmental protection.