

# MATERIAL SAFETY DATA SHEET

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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

Product Use: Normal Setting Admixture for Concrete.

Manufacturer's Name & Address:	Emergency Telephone Number:	(800) 424-9300
AXIM		(CHEMTREC)
P.O. Box 234	Telephone Number for Information:	(330) 966-0444
8282 Middlebranch Road		Ext. 2046
Middlebranch, Ohio 44652	Date Prepared:	April 2009

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

**MSDS Number:** 2000007-12      **Cancels MSDS #:** 2000007-1      **Date of Last Rev.:** May 2006

## SECTION 2. HAZARDS IDENTIFICATION

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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

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Component	CAS No.	Amount by Wt.
Sodium Glucoheptonate	31138-65-5	10-30%
Glycerin	56-81-5	1-10%
Non-Hazardous Ingredients	Mixture	70-90%

## SECTION 4. FIRST AID MEASURES

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**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

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**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

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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

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

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

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

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure Guidelines:

Sodium Glucoheptonate	None Established
Glycerin	5 mg/m <sup>3</sup> (respirable) TWA OSHA PEL
	15 mg/m <sup>3</sup> (total mist) TWA OSHA PEL
	10 mg/m <sup>3</sup> 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

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**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: 1.200 +/- 0.020 @ 25°C	pH: 9.8 +/- 1.0
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

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**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

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### 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 Glucoheptonate: No data available

Glycerin: Oral Rat LD50 >2000 mg/kg

## SECTION 12. ECOLOGICAL INFORMATION

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

## SECTION 13. DISPOSAL CONSIDERATIONS

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Dispose according to local, state, and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

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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

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**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

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**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

Revised: April, 2004

Revised: May 2006

Revised: April 2009

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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.