

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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

Product Use: Calcium Chloride Accelerator 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: 2000005-2

Cancels MSDS #: 2000005-1

Date of Last Rev.: March, 2006

SECTION 2. HAZARDS IDENTIFICATION

This product is a brown liquid with no odor.

EMERGENCY OVERVIEW

WARNING!

Causes eye irritation. May cause skin irritation on prolonged or repeated contact. Inhalation of mists may cause upper respiratory tract irritation. Swallowing may cause irritation of the mouth, throat, and gastrointestinal tract.

See Section 11 for detailed information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount by Wt.
Calcium Chloride	10043-52-4	20-40%
Non-hazardous Ingredients	Mixture	60-80%

SECTION 4. FIRST AID MEASURES

Eye: Immediately flush eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get immediate medical attention.

Skin: Remove contaminated clothing. Immediately wash skin thoroughly with 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 immediate medical attention.

Inhalation: Immediately remove to fresh air. Get medical attention if symptoms persist.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media: This product is not combustible. 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: None known.

Hazardous Combustion Products: None.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Caution – spilled material may create a slipping hazard. Wear appropriate protective clothing as described in Section 8. Contain and 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. Avoid breathing mists. Wear protective clothing and equipment. Wash thoroughly with soap and water after handling.

Do not reuse un-approved containers. 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 incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Calcium Chloride	None Established
Non-hazardous Ingredients	None Established

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

Respiratory Protection: If exposure levels are excessive or irritation is experienced, 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 to prevent contact.

Eye Protection: Chemical safety goggles are recommended.

Other: Wear impervious clothing as needed to avoid contact. An eyewash should be available in the work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Brown aqueous solution with no odor.

Physical State: Liquid	Boiling Point: 212°F (100°C)
Vapor Density: Not applicable	Vapor Pressure: Not applicable
Solubility In Water: 100%	Evaporation Rate: Same as water
Specific Gravity: 1.245 +/- 0.024 @ 25°C	pH: 9.5 +/- 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

Stability: Stable

Incompatibility (Materials to Avoid): Avoid contact with sulfuric acids, brass, ferrous metals, mild steel.

Hazardous Decomposition Products: Flammable hydrogen can be generated from contact with zinc or sodium.

Hazardous Polymerization: Will Not Occur

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: Ingestion may cause irritation of the mouth, throat, and gastrointestinal tract. Not expected to be acutely toxic if swallowed.

Inhalation: Inhalation of mists may cause nose, throat, and upper respiratory irritation.

Eye: Contact may cause severe irritation with redness, tearing and pain. Corneal injury that is slow to heal is possible.

Skin: Brief contact is not expected to cause irritation. Contact may cause irritation with redness, itching, and pain on abraded skin or on prolonged contact.

Sensitization: This product is not expected to cause sensitization.

Chronic: None currently known.

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

Mutagenicity: Calcium chloride was negative in in-vitro studies.

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

Acute Toxicity Values:

Calcium Chloride: Oral Rat LD50 900-2100 mg/kg; Skin Rabbit LD50 >5000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Calcium Chloride: LC50 daphnia magna 759-3005 mg/L; LC50 bluegill 8350-10650 mg/L.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Flush with water to chemical waste disposal, then 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 = 2 Fire = 0 Instability = 0
HMIS Rating: Health = 2 Fire = 0 Reactivity = 0
4 = Severe Hazard 3 = Serious Hazard 2 = Moderate Hazard 1 = Slight Hazard 0 = Minimal Hazard

REVISION SUMMARY:

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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.