# MATERIAL SAFETY DATA SHEET

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** (as used on Label) **CATEXOL™ AE 360**
Product Use: Air Entrainer for Concrete.

Manufacturer's Name & Address:
AXIM
P.O. Box 234
8282 Middlebranch Road
Middlebranch, Ohio 44652

Emergency Telephone Number: (800) 424-9300 (CHEMTREC)
Telephone Number for Information: (330) 966-0444 Ext. 2046
Date Prepared: June 2009

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

**MSDS Number: 2000043-5 Cancels MSDS #: No MSDS # (Rev. April 2009) Date of Last Rev.: April 2009**

## SECTION 2. HAZARDS IDENTIFICATION

This product is a light yellow liquid with no odor.

**EMERGENCY OVERVIEW**
WARNING!

May cause eye, skin and respiratory irritation. Ingestion may cause mouth, throat, and gastrointestinal irritation.

See Section 11 for detailed information.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | Amount by Wt. |
|---|---|---|
| Alpha Olefin Sulfonate | Proprietary | 5-10% |
| Non-Hazardous Ingredients | Mixture | 90-95% |

## SECTION 4. FIRST AID MEASURES

**Eye:** Immediately flush eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.
**Skin:** Remove contaminated clothing. Immediately 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 my 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 but residue will burn after the water has evaporated. 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 for all fires involving chemicals.
**Unusual Fire and Explosion Hazards**: None known.
**Hazardous Combustion Products**: Burning of residue may release oxides of carbon and sulfur.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing as described in Section 8. Contain and collect liquid with an inert absorbent and place into container. Wash spill area with water and collect water for proper disposal. 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 vapors or mists. Use with adequate ventilation. Wear appropriate protective clothing and equipment. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

**Do not reuse un-approved containers.** Empty containers retain product residues can be hazardous. Follow all MSDS precautions when handling empty containers.

**Storage:** Store in a cool, well ventilated area away from incompatible materials.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines:**

| | |
|---|---|
| Alpha Olefin Sulfonate | None Established |

**Engineering Controls:** Use with adequate general or local exhaust ventilation to minimize exposure levels.
**Respiratory Protection:** If exposures are excessive and irritation is experienced, a NIOSH approved organic vapor/ particulate respirator should be worn. For higher exposures, a supplied air respirator may be required. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134, 1910.1048, CSA Standard Z94.4-02 and good industrial hygiene practice.
**Skin Protection:** Wear impervious gloves such as rubber or neoprene to avoid contact.
**Eye Protection:** Chemical safety goggles are recommended.
**Other:** Wear impervious clothing as needed to avoid contact.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Light yellow liquid with no odor.

| | |
|---|---|
| Physical State: Liquid | Boiling Point: 220ºF |
| Vapor Density: Not determined | Vapor Pressure: Not determined |
| Solubility In Water: 100% | Evaporation Rate: Same as water |
| Specific Gravity: 1.010 +/- 0.005 @ 25°C | pH: 8.0 +/- 1.0 |
| Melting Point: Not applicable | Octanol/Water Coefficient: Not determined |
| Flash Point: None | Flammable Limits: LEL: Not applicable<br>UEL: Not applicable |

## SECTION 10. STABILITY AND REACTIVITY

**Stability**: Stable
**Incompatibility** (Materials to Avoid): Avoid contact with oxidizing agents.
**Hazardous Decomposition Products**: Burning of residue may release oxides of carbon and sulfur.
**Hazardous Polymerization**: Will Not Occur

## SECTION 11. TOXICOLOGICAL INFORMATION

**HEALTH HAZARDS:**
**Ingestion:** Ingestion may cause irritation of the mouth, throat and gastrointestinal tract, nausea, vomiting and diarrhea. Not expected to be acutely toxic if swallowed.
**Inhalation:** Inhalation of vapors or mists may cause nose, throat, and upper respiratory irritation.
**Eye:** Contact may cause irritation with redness, pain and tearing.
**Skin:** May cause irritation with redness, swelling, itching, and burning on prolonged contact.
**Sensitization:** This product is not expected to cause skin sensitization.
**Chronic:** None known.
**Carcinogenicity:** None of the components present at 0.1% or greater is listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH or OSHA.
**Mutagenicity**: No data available.
**Medical Conditions Aggravated by Exposure:** Employees with pre-existing skin and respiratory conditions may be at increased risk from exposure.

**Acute Toxicity Values**:
Alpha Olefin Sulfonate: Oral Rat LD50 1300-2400 mg/kg; Skin Rabbit LD50 1130-2150 mg/kg

## SECTION 12. ECOLOGICAL INFORMATION

Alpha Olefin Sulfonate: LC50 fathead minnow 8.2 mg/L; LC50 rainbow trout 3.5 mg/L.

## SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: 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:** Air Entraining Agents for Concrete

## 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: November, 2001
Revised: January 2006
Revised: August 2006
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|---|---|
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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.