

ChromeFX B1 Super Concentrate

Material Safety Data Sheet dated December 2, 2004.

SECTION 1: IDENTIFICATION OF THE PRODUCT AND OF THE PRODUCER

Trade name: **ChromeFX B1 Super Concentrate**

Manufactured for: Alsa Corporation
2640 E. 37th Street
Vernon, CA 90058
Tel: 323-581-5200

Emergency telephone number of the company and/or of an authorised advisory center:
Infotrac Chemical Emergency Response –800-535-5053 / 352-323-3500

SECTION 2: HAZARDOUS INGREDIENTS**Hazardous Component: chemical & common names:**

Sodium Hydroxide 10% (wt%)

OSHA PEL: 2mg/m³

ACGIH TLV: 2mg/m³

CAS NO.: 1310-73-2

Ammonium Hydroxide 5% (wt%)

OSHA PEL: 35ppm, 27 mg/m³ STEL 15 min

ACGIH TLV: 25ppm, 18 mg/m³ TLV, 8 hour TWA

CAS NO.: 1336-21-6

SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: Approx. 180-200F

Specific Gravity (water=1): 1.13

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Solubility in Water: Complete Reactivity in Water: None

Appearance and Odor: Clear liquid - Ammonia odor.

Melting Point: N/A

The above data are approximate or typical values and should not be used for precise design purposes.

SECTION 4: REACTIVITY DATA**DO NOT MIX WITH CONCENTRATED SILVER NITRATE SOLUTIONS - MAY EXPLODE!**

Stability: Product absorbs carbon dioxide from the air.

Conditions to Avoid: Acids, metals, very corrosive to skin and clothing.

Incompatibility (Materials to Avoid): Strong acid and most metals. Will form explosive compounds if mixed with silver nitrate.

Hazardous Decomposition Products: Hydrogen may be formed.

Hazardous Polymerization: Will not occur.

SECTION 5: SPECIAL PROTECTION INFORMATION AND CONTROL MEASURES

Respiratory Protection (type): Approved by NIOSH/MSHA respirator with ammonia filter. Must be used when exposure limits are exceeded.

Ventilation: Local exhaust-Mechanical, General.

Protective Gloves: Rubber or Neoprene.

Eye protection: Chemical safety goggles or face shield.

Other Protective Clothing or Equipment: Rubber apron or protective coveralls.

Work/Hygienic Practices: Wash after handling-have shower and eye bath available.

SECTION 6: HEALTH HAZARDS

Acute: Irritation to skin & mucus membranes. Material is a very strong base and reacts with all body tissue.

Chronic: Prolonged exposure to high concentrated ions may cause permanent lung damage.

Signs and Symptoms of Exposure: Burning of skin, irritation to eyes & respiratory system.

Medical Conditions Generally Aggravated by Exposure: Any respiratory ailment. Any skin conditions.

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Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program: No

I.A.R.C. Monographs: No

OSHA: No

Routes of Entry Inhalation: Severe irritation or burns of respiratory system, pulmonary edema, lung inflammation, may cause respiratory system damage.

Eyes: Severe irritation or burns, permanent eye damage.

Skin: Severe irritations or burns.

Ingestion: Is harmful and may be fatal, severe burns to mouth, throat, and stomach, nausea, vomiting.

Emergency and First Aid Procedures:

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Eye Contact: In case of eye contact, immediately flush skin with plenty of water for at least 30 minutes.

Ingestion: CALL A PHYSICIAN. If swallowed, do NOT induce vomiting. If conscious, give large amounts of water.

Follow with dilute vinegar, fruit juice or whites of eggs beaten with water.

SECTION 7: FIRE & EXPLOSION DATA

Flash Point: N/A

Flammable Limits in Air % by Volume: LEL 16% ; UEL 25% (ammonia portion)

Auto-Ignition Temperature: N/A

Extinguisher Media: Water fog for escaping ammonia gas.

Special Fire Fighting Procedures: The mixture will not burn but the escaping ammonia gas will burn in the range of 16-25% in air. Water will extinguish the flames. Wear full protective clothing and self-contained breathing apparatus in the pressure demand mode. Vapors in the range of 16-25% ammonia in air can explode in a confined space on contact with sources of ignition.

Unusual Fire and Explosive Hazards: When heated, material will give off ammonia gas, a strong irritant to eye, respiratory tract, and moist skin. Closed containers exposed to extreme heat may develop pressure. Combustion of released ammonia may form nitrogen oxides. Also material can react with amphoteric metals (such as Aluminum) generating hydrogen which is flammable and/or explosive when ignited.

SECTION 8: SPECIAL PRECAUTIONS WITH SPILL AND LEAK PROCEDURES

Precautions to be taken in Handling and Storage: Store in tightly sealed containers in cool dry area.

Other Precautions: None

Steps to be taken in Case Material is Released or Spilled: Dilute with water and weak acid and ventilate adequately.

Waste disposal Methods (Consult federal, state, and local regulations): When diluted sufficiently may be flushed into treated sewer system. Check with local authorities.

SECTION 9: TRANSPORTATION

Hazard Class: Corrosive Material

Proper Shipping Name: Sodium Hydroxide Solution Corrosive Material UN-1824

Placard: Corrosive

Label: Corrosive UN-1824

United Nations ID No.: UN-1824

SECTION 10: DISCLAIMER

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