



ASSOCIATES OF
CAPE COD
INCORPORATED

Form

Document Number: MSD003

Page 1 of 3

Revision: 002

Document Title:
per ISO/DIS 11014

Chromo-LAL Material Safety Data Sheet

Revision Date: August 2008

1. Identification of substance

Product Name Chromo-LAL

Catalog number: C0031

Manufacturer/Supplier:

Associates of Cape Cod, Inc.
124 Bernard E. Saint Jean Drive
East Falmouth, Massachusetts 02536
Tel : (800) 848-3248
Fax : (508) 540-8680

Information Department: Technical Services, Safety Officer

Emergency information:

In case of a chemical emergency, spill, fire, exposure or accident contact Associates of Cape Cod at: (800) 848-3248 or (508) 540-3444.

2. Composition/Data on components

Chemical characterization: colorless solid

Description: colorless solid

3. Hazards identification

Hazard description: Eye: May cause eye irritation. May cause conjunctivitis. May cause permanent corneal opacification.

Skin: May cause severe irritation and possible burns.

Ingestion: May cause burns to the gastrointestinal tract. May be harmful if swallowed. May cause nausea, vomiting, and diarrhea, possibly with blood.

Inhalation: May cause respiratory tract irritation. May cause acute pulmonary edema, asphyxia, chemical pneumonitis, and upper airway obstruction caused by edema.

Chronic: Effects may be delayed.

4. First aid measures

- **General information:** No special measures required.
- **After inhalation:** Move person to fresh air. Seek medical attention if irritation or pain is experienced.
- **After skin contact:** Flush area with copious amounts of running water.
- **After eye contact:** Flush area with copious amounts of running water. Assure adequate flushing by separating the eyelids with fingers. Seek medical advice if irritation or pain is experienced.
- **After swallowing:** Seek medical attention if nauseous or dizziness.
- **Information for doctor:** Submit this MSDS to the doctor.

5. Fire fighting measures

- **Suitable extinguishing agents:** This material is non-combustible. Use extinguishing media appropriate to surround fire conditions.
- **Protective equipment:** Use appropriate fire protective equipment as needed.

6. Accidental release measures

- **Person-related safety precautions:** Use plastic gloves when handling material.
- **Measures for environmental protection:** Not applicable
- **Measures for cleaning/collecting:** Dry spills should be wiped up with a damp sponge. Wet spill should be wiped up with a towel. Avoid skin contact.
- **Additional information:** Not applicable.

7. Handling and storage

- **Handling:** Use good manufacturing and laboratory procedures when handling any chemical.
- **Information for safe handling:** Avoid inhalation and skin contact.
- **Information about protection against explosions and fires:** Non-combustible material.
- **Storage:** Store freeze dried product between -20 to 8°C. Store reconstituted material at 2 to 8°C up to 24 hours or at -20°C or colder for up to two weeks immediately after reconstitution.

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8. Exposure controls and personal protection

- **Additional information about design of technical systems:**
- **Components with limit values that require monitoring at the workplace:**
- **Additional information:**
- **General protective and hygienic measures:** Use of protective surgical gloves is optional.
- **Breathing equipment:** For dry powder spills of substantial quantities, a particulate exclusion mask should be worn. No mask is needed for liquid preparation.
- **Protection of hands:** Use of protective surgical gloves is optional.
- **Eye protection:** Safety goggles/glasses are optional.
- **Body protection:** Not applicable.

9. Physical and chemical properties

- **General information:**
 - **Form:** Pellets
 - **Color:** White, lyophilized
 - **Odor:** None
- **Change in condition:** Not applicable
- **Melting point/Melting range:** Not applicable
- **Boiling point/Boiling Range:** Not applicable
- **Flash Point:** Not applicable
- **Auto igniting:** Not applicable
- **Danger of explosion:** Not applicable
- **Solubility immiscibility with water:** Complete

10. Stability and reactivity

- **Thermal decomposition/conditions to be avoided:** This product is relatively heat stable. Avoid temperatures below -20°C and above 37°C.
- **Materials to be avoided:**
- **Dangerous reactions:** Hazardous polymerization will not occur.

11. Toxicological information

- **Acute:**
 - **Primary irritant effect:** Sensitization to this product and development of allergic reactions such as contact dermatitis, rhinitis, and conjunctivitis can occur.
 - **On the skin:** none
 - **On the eye:** none
- Sensitization:** In case of skin contact, flush area with large amounts of water. In case of eye contact, flush eyes with copious amounts of water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. If irritation occurs, seek medical advice. In case of inhalation, remove person to fresh air.

12. Ecological information

- **Ecotoxicological effects:** Not applicable

13. Disposal considerations

- **Product:** Trash receptacle

14. Transport information

- **DOT regulations:**
 - **Hazard class:** Not applicable
- **Land transport ADR/RID (cross border)**
 - **ADR/RID class:** Not applicable
- **Maritime transport IMDG::**
 - **IMDG class:** Not applicable
 - **Marine pollutant:** Not applicable
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Not applicable



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Page 3 of 3

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15. Regulations

- **SARA Section 355 (extremely hazardous substances)** Not applicable
- **SARA Section 313 (specific toxic chemical listings)** Not applicable
- **TSCA (Toxic Substance Control Act)** Not applicable

16. Other information

The above information is believed to be correct, but does not purport to be all inclusive and shall be used as a guide. Associates of Cape Cod, Inc., shall not be held liable for any damage resulting from handling or from contact with this product.