

# Larchmont Engineering

Lexington, MA 02420

## MATERIAL SAFETY DATA SHEET

### I. GENERAL INFORMATION

TRADE NAME (COMMON NAME OR SYNONYM): LarchMelt™

COMPOSITION:

LarchMelt™ is a blend of four ice melting chemicals.

Sodium Chloride	CAS Number 7647-14-5
Calcium Chloride	CAS Number 10043-52-4
Magnesium Chloride	CAS Number 7791-18-6
CMA	CAS Number 76123-46-1

### II. MANUFACTURER NAME AND ADDRESS:

Larchmont Engineering  
11 Larchmont Lane  
Lexington, MA 02420

CONTACT:

PHONE NUMBER:

DATE ISSUED:

Quality Assurance

781-862-2550

September 1, 2008

### III. HAZARDOUS IDENTIFICATION:

**Appearance:** White to off white crystals and flakes. Odorless. Colored Green.

**Eye:** Flakes may cause slight eye irritation. Dusts may cause severe eye irritation with corneal injury. Effects may be slow to heal. When dissolving, the heat produced may cause more intense effects as well as thermal burns.

**Skin:** Short single exposure not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is damp or if material is confined to skin. May cause more severe response if skin is abraded. When dissolving, the heat produced may cause more intense effects as well as thermal burns. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

**Ingestion:** Single dose oral toxicity is considered to be low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. Ingestion may cause gastrointestinal irritation or ulceration.

#### **IV. FIRST AID**

**Eyes:** Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

**Skin:** Wash off in flowing water.

**Ingestion:** If swallowed, seek medical attention. Do not induce vomiting unless directed by medical personnel.

**Inhalation:** Remove to fresh air if effects occur. Consult physician.

#### **V. FIRE AND EXPLOSION HAZARD DATA:**

<b>FLASH POINT:</b>	Not Applicable
<b>EXTINGUISHING MEDIA:</b>	Not Applicable
<b>SPECIAL FIRE-FIGHTING PROCEDURES/EQUIPMENT:</b>	Not Applicable
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	None

**Protective Equipment for Fire Fighters:** Wear positive pressure self contained breathing apparatus (SCBA) and full protective fire fighting clothing ( includes fire fighting helmet, coat, pants, boots, and gloves.)

#### **VI. ACCIDENTAL RELEASE MEASURES**

**Protect People:** Isolate area. Avoid contact with eyes and skin. May be a slipping hazard. Stop leak if it can be done safely. Wash exposed body areas thoroughly after handling. Use appropriate safety equipment.

**Protect the Environment:** For small spills: losses incidental to correct application of this product in its intended uses are not expected to be harmful to the environment.

For large spills: Avoid contamination of drinking water, natural water, ground water, or any waterway. Losses incidental to correct application of this product in its intended uses are not expected to be harmful to the environment.

**Clean Up:** For small spills: Contain spill if possible. Collect material in suitable and properly labeled containers. Flush residue with plenty of water.

For large spills: Dike and transfer to suitable and properly labeled containers. Flush residue with plenty of water.

#### **VII. HANDLING AND STORAGE**

**Handling:** Heat developed during diluting or dissolving is very high. Use cool water when dissolving or diluting.

**Storage:** Keep containers tightly closed when not in use. Store in a dry place. Protect from atmospheric moisture.

## **VIII. EXPOSURE CONTROLS PERSONAL PROTECTION**

**Eye/ Face protection:** Use safety glasses . For dusty operations, wear chemical goggles.

**Skin Protection:** For brief contact, no precautions other than clean body-covering clothing should be needed. Use protective clothing impervious to this material and it's components. If hands are cut or scratched or sensitive to deicing chemicals, use gloves impervious to this material.

**Respiratory Protection:** In dusty applications or atmospheres, use an approved dust respirator.

## **IX. PHYSICAL AND CHEMICAL PROPERTIES**

White to off white crystals and flakes. Odorless. Colored Green.

**Stability:** Stable. Hygroscopic.

## **X. OTHER IMPORTANT INFORMATION**

Do not dump into sewers, on the ground, or into any body of water. Follow applications directions found on the package.

**Incompatibility with other materials:** Corrosive to some metals. Avoid contact with metals such as: brass, mild steel, aluminum, or any ferrous metal. Flammable hydrogen may be generated from contact with metals such as zinc or sodium. Avoid contact with sulfuric acid. Strong oxidizing agents will release chlorine.

Liberates Chlorine upon thermal decomposition.

For disposal of this material as a waste, act in accordance with all applicable local, state, and federal waste management regulations.

This product is not regulated by D.O.T. when shipped domestically by land.

To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

**OSHA Hazard Communication Standard:** This product contains calcium chloride which has been categorized as a "Hazardous Chemical" due to the possibility of eye or skin irritation.

Consult MSDS sheets for sodium chloride, calcium chloride, and magnesium chloride for additional information.

**Disclaimer:** Larchmont believes that the information contained on this MSDS sheet to be accurate; however, the data and information are presented without any representation of warranty, expressed or implied, regarding the accuracy or correctness. Once this product leaves the property of Larchmont, the conditions or methods of handling, storage, use and disposal are beyond the control and knowledge of Larchmont. For this and other reasons, Larchmont does not assume responsibility and expressly disclaims any liability for loss, damage, injury or expense arising out of or in any way connected with the handling, storage or use or disposal of this product.

**Follow all instructions found on package.**