

## SAFETY DATA SHEET

### SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

**TRADE NAME:** Liquid Ice-Mlt®  
**MANUFACTURER:** Midwest Industrial Supply, Inc  
 1101 3rd Street SE  
 Canton, OH 44707  
**EMERGENCY PHONE NUMBER:** 330-456-3121  
**RECOMMENDED USE:** Conveyor belt deicer  
**CHEMICAL NAME:** Chlorides  
**SYNONYMS:** Deicer

### SECTION II -- HAZARDS IDENTIFICATION

**CLASSIFICATION:** Serious Eye Damage/Eye Irritation,2A  
**SIGNAL WORD:** Warning  
**HAZARD STATEMENT(S):** Causes serious eye irritation

Pictograms



**PRECAUTIONARY STATEMENT(S):** Wash hands and exposed skin thoroughly after handling.  
 Wear eye/face protection.  
 If in eyes, rinse thoroughly for several minutes.  
 If irritation persists, seek medical advice/attention.

**OTHER HAZARDS:** None

### SECTION III -- COMPOSITION/INFORMATION ON INGREDIENTS

| Component               | CAS #         | WT %  |
|-------------------------|---------------|-------|
| Calcium Chloride        | 10043-52-4    | < 38% |
| Magnesium Chloride      | 7786-30-3     | < 34% |
| Sodium Chloride         | 7647-14-5     | < 1%  |
| Water                   | 7732-18-5     | < 80% |
| Proprietary Ingredients | Non-Hazardous | < 50% |

### SECTION IV -- FIRST AID MEASURES

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|                    |  |
|--------------------|--|
| <b>INHALATION:</b> | Remove from exposure area to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm and at rest. Get medical attention. |
| <b>SKIN:</b>       | Wash exposed area twice with soap and water. Exposed area should be examined by medical personnel if irritation or pain persists after the area has been washed.         |
| <b>EYES:</b>       | Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. Get medical attention.                                     |
| <b>INGESTION:</b>  | Do not induce vomiting. Give large amounts of water or milk. Get medical attention.  |

### RECOMMENDATION TO FIREFIGHTERS ON SPECIAL PROTECTIVE EQUIPMENT OR PRECAUTIONS:

Firefighter should wear full protective equipment including positive pressure self-contained breathing apparatus. Use normal firefighting procedures.

### SECTION V -- FIREFIGHTING MEASURES

|  |   |
|--|---|
| <b>EXTINGUISHING MEDIUM:</b>               | As this material is virtually not-flammable, use proper equipment to fight surrounding fire.  |
| <b>SPECIAL FIREFIGHTING PROCEDURES:</b>    | Firefighter should wear full protective equipment including positive pressure self-contained breathing apparatus. Use normal firefighting procedures. |
| <b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> | None  |
| <b>SPECIAL HAZARDS:</b>                    | None  |

### SECTION VI -- ACCIDENTAL RELEASE MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>PERSONAL PRECAUTIONS:</b>      | Safety glasses and gloves  |
| <b>SPILL AND LEAK PROCEDURES:</b> | For small spills use suitable absorbent material & collect for later disposal. For large spills, the area may require diking to contain the spill. Material can then be collected (eg. suction) for later disposal. Avoid contamination of drinking water, natural water, ground water or any waterway. Losses incidental to correct industrial use are not expected to be harmful to the environment. Wear appropriate protective equipment during clean-up. After collection of material, flush area with water. |

### SECTION VII -- HANDLING AND STORAGE

|                  |  |
|------------------|--|
| <b>STORAGE:</b>  | Store in a suitable tank or container for chlorides (aluminum and its alloys deteriorate rapidly upon exposure to chlorides and are not recommended.). |
| <b>HANDLING:</b> | Wear proper clothing and personal protection equipment. Minimize splashing; chlorides can be irritating to eyes and skin.                              |



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### SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

|                                |  |
|--------------------------------|--|
| <b>VENTILATION:</b>            | All operations should be conducted in well ventilated conditions.                          |
| <b>RESPIRATORY PROTECTION:</b> | When necessary, use an air purifying respirator or mist respirator depending on situation. |
| <b>EYE PROTECTION:</b>         | Safety glasses or chemical goggles.  |
| <b>PROTECTIVE CLOTHING:</b>    | Impervious gloves, boots, apron or full body suit, depending on operation.                 |

### SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

|                                     |           |
|-------------------------------------|-----------|
| <b>Physical State:</b>              | Liquid    |
| <b>Odor:</b>                        | Mild odor |
| <b>Vapor Density:</b>               | N/D       |
| <b>Solubility in Water:</b>         | Complete  |
| <b>Relative Density:</b>            | 1.2-1.32  |
| <b>Melting/Freezing Point:</b>      | N/D       |
| <b>VOC Content:</b>                 | None      |
| <b>Viscosity:</b>                   | N/D       |
| <b>Flashpoint:</b>                  | N/D       |
| <b>Flammable Limits LEL:</b>        | N/D       |
| <b>Flammable Limits UEL:</b>        | N/D       |
| <b>Odor Threshold:</b>              | N/D       |
| <b>Initial Boiling Point/Range:</b> | 244.6 °F  |
| <b>Vapor Pressure:</b>              | N/A       |
| <b>Evaporation Rate:</b>            | N/D       |
| <b>pH:</b>                          | 6-8       |
| <b>Octanol/Water Coefficient:</b>   | N/D       |
| <b>Decomposition Temperature:</b>   | N/D       |
| <b>Flammability (solid/gas):</b>    | N/A       |
| <b>Auto Ignition Temperature:</b>   | N/D       |

### SECTION X -- STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>REACTIVITY:</b>                       | N/D   |
| <b>CHEMICAL STABILITY:</b>               | Stable  |
| <b>CHEMICAL INCOMPATIBILITY:</b>         | Flammable hydrogen may be generated when exposed to sodium or zinc. Avoid contact with sulfuric acid. |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> | Does not  |



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**HAZARDOUS POLYMERIZATION:** None  
**CONDITIONS TO AVOID:** Mildly corrosive to metals.

### SECTION XI -- TOXICOLOGICAL INFORMATION

#### EFFECTS OF OVEREXPOSURE

**INHALATION:** Vapors are unlikely due to physical properties. Mists may cause irritation to upper respiratory tract.

**SKIN:** Short exposures are not likely to cause irritation. Prolonged or repeated exposure may cause skin irritation. It may cause more severe irritation if skin is scratched or abraded.

**EYES:** May be irritating to the eyes.

**INGESTION:** Small amounts swallowed incidental to normal handling are not likely to cause injury. Swallowing larger amounts may cause gastrointestinal irritation or ulceration.

**CARCINOGENICITY:** None

**GERM CELL MUTAGENICITY:** N/D

**REPRODUCTIVE TOXIN:** N/D

### SECTION XII -- ECOLOGICAL INFORMATION

Material is practically non-toxic to aquatic organisms (LC50 >50 mg/L in most sensitive species).

### SECTION XIII -- DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Consult your local authorities for regulations. Preferred waste management: recycle or reuse, incinerate with energy recovery, disposal in a licensed facility. Disposal facility should be compliant with state, local and federal government regulations.

### SECTION XIV -- TRANSPORTATION INFORMATION

**DOT HAZARDOUS MATERIAL DESCRIPTION:** Not Hazardous  
**PROPER SHIPPING NAME:** Chloride Rich Aqueous Solution  
**UN NUMBER:** N/A  
**HAZARD CLASS/PACKAGING GROUP:** Not Hazardous  
**LABELS REQUIRED:** None

### SECTION XV -- REGULATORY INFORMATION

|                     |         |   |                     |         |   |
|---------------------|---------|---|---------------------|---------|---|
| <b>NFPA RATING:</b> | Health: | 1 | <b>HMIS RATING:</b> | Health: | 1 |
|---------------------|---------|---|---------------------|---------|---|



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|               |   |                  |   |
|---------------|---|------------------|---|
| Flammability: | 0 | Flammability:    | 0 |
| Instability:  | 0 | Physical Hazard: | 0 |
|               |   | PPE:             | B |

**EPA SARA Title III hazard class:** Immediate health hazard (irritant).  
**OSHA HCS hazard class:** Eye or skin irritant  
**EPA SARA Title III Section 313 (40CFR372):** None  
**Canadian WHIMIS:** The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification: D2B - eye or skin irritant.

### SECTION XVI -- OTHER INFORMATION

#### ABBREVIATIONS AND SYMBOLS:

|      |                |      |                |      |            |
|------|----------------|------|----------------|------|------------|
| N.D. | Not Determined | N.A. | Not Applicable | N.T. | Not Tested |
| <    | Less Than      | >    | More Than      |      |            |