



# LEXCOR SAFETY DATA SHEET

DATE PREPARED: 01/01/2018

## SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

### PRODUCT NAME

ROOFMAX ROOFSAFE DE-ICER

### SUPPLIER NAME AND ADDRESS

Lexsuco 2010 Corporation  
3275 Orlando Dr.  
Mississauga, ON L4V 1C5  
Tel: 905.792.8300 Fax: 905.792.8305

### EMERGENCY TELEPHONE NUMBER:

CANUTEC 613-996-6666 (24 hours every day)

### Regulatory Information Number:

Tel: 1-877-792-8308

Prepared by: Lexsuco 2010 Corporation

**Recommended Use:** As an all-purpose de-icer

## SECTION 2 - HAZARDS IDENTIFICATION

### **Classification**

Acute Oral Toxicity: Category 4  
Serious Eye Damage/Eye Irritation: Category 2

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### Pictograms:



**Appearance:** White  
**Physical State:** Flake or pellet  
**Odor:** Odorless

**Signal Words:**  
Warning

**Hazard Statements:**  
Harmful if swallowed  
Causes serious eye irritations

**Precautionary Statements:**  
**General**  
None

**Prevention**  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear eye/face protection

**Response****Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

**Ingestion**

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth

**Storage**

None

**Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Other hazards**

No available data for this section.

**Other Information**

Wear hand protection

0% of the mixture consists of ingredient(s) of unknown toxicity

**SECTION 3 - INFORMATION ON INGREDIENTS****Synonyms**

Calcium Chloride Dihydrate, Briners Grade, Food Grade Calcium Chloride, Calcium Chloride 94%

| Chemical Name      | CAS-No     | Weight % |
|--------------------|------------|----------|
| Calcium Chloride   | 10043-52-4 | 74-100   |
| Water              | 7732-18-5  | 0-26     |
| Sodium Chloride    | 7647-14-5  | < 3      |
| Potassium Chloride | 7447-40-7  | < 3      |
| Magnesium Chloride | 7786-30-3  | < 0,5    |

**SECTION 4 - FIRST AID MEASURES****Description of First Aid Measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Obtain medical attention if irritation persists.

**Skin contact**

Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

**Inhalation**

Move to fresh air. Get medical attention immediately if symptoms occur.

**Ingestion**

IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

**Protection for First-Aiders**

Use personal protective equipment.

**Most important symptoms/effects, acute and delayed****Most important symptoms/effects**

No information available

**Indication of immediate medical attention and special treatment needed, if necessary****Notes to Physician**

Treat symptomatically

## SECTION 5 - FIRE FIGHTING MEASURES

### Extinguishing media

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media

None

### Specific Hazards Arising from the Chemical

Avoid generating dust, under certain conditions may cause respiratory irritation. Thermal decomposition can lead to release of irritating and toxic gases and vapors

### Explosion Data

#### Sensitivity to Mechanical Impact

None

#### Sensitivity to Static Discharge

None

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### NFPA

Health Hazard 1    Flammability 0    Instability 1

### HMIS

Health Hazard 1    Flammability 0    Physical Hazard 1

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes. Use personal protective equipment. Avoid dust formation.

### Environmental precautions

Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

#### Methods for Containment

Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

#### Methods for Cleaning up

Take up mechanically and collect in suitable container for disposal. Use personal protective equipment.

## SECTION 7 - HANDLING & STORAGE

### Precautions for safe handling

#### Handling

Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing dust. Avoid dust formation. Minimize dust generation and accumulation.

### Conditions for safe storage, including any incompatibilities

#### Storage

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep in a dry place.

### Incompatible Materials

Zinc, Bromine tri-fluoride, Methyl vinyl ether

## SECTION 8 - EXPOSURE CONTROL & PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                  | ACGIH TLV  | OSHA PEL  | NIOSH IDLH |
|--------------------------------|--|---|------------|
| Calcium Chloride<br>10043-52-4 | ACGIH – (TLV-TWA) Guideline for nuisance particulate (inhalable particulate): 10 mg/m <sup>3</sup> | OSHA (PEL-TWA) – Z-3 Mineral Dusts, Inert or Nuisance dusts, (respirable fraction): 5 mg/m <sup>3</sup> | -          |

#### Appropriate engineering controls

##### Engineering Measures

Provide local exhaust ventilations system. When there is a potential for exposure, an emergency eyewash and safety shower should be provided within the immediate work area.

#### Individual protection measures, such as personal protective equipment

##### Eye/Face Protection

Wear safety glasses with non-flexible side shields or chemical goggles

##### Skin and Body Protection

###### Hands and Feet:

Wear appropriate protective non-leather protective gloves and boots. Chemical protective gloves and boots such as PVC, Neoprene, or Heavy Nitrile are recommended. Leather products do not offer adequate protection and will dehydrate with resultant shrinkage and possible destruction.

###### Body:

Wear appropriate protective, impervious clothing.

##### Respiratory Protection

A respirator is not indicated under normal operating conditions. Use of a NIOSH – approved (N95 or greater) should be based on the presence of nuisance dusts.

##### Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

|                |                 |
|----------------|-----------------|
| Physical State | Flake or pellet |
| Appearance     | White           |
| Odor           | Odorless        |
| Odor Threshold | N/A             |

| Property                               | Values                                    | Remarks / Method   |
|--|---|--------------------|
| pH                                     | Not applicable                            | None Known         |
| Melting Point/Range                    | 175-770 °C / 350-1420 °F                  | Estimated value(s) |
| Boilint Point/Boiling Range            | 175-1930 °C / 350-3500 °F                 | Estimated value(s) |
| Flash Point                            | Not applicable                            | None Known         |
| Evaporation rate                       | No data available                         | None known         |
| Flammability (solid, gas)              | No data available                         | None known         |
| Flammability Limits in Air             |   |                    |
| Upper flammability limit               | No data available                         |                    |
| Lower flammability limit               | No data available                         |                    |
| Vapor Pressure                         | Not applicable                            | None known         |
| Vapor Density                          | Not applicable                            | None known         |
| Specific Gravity                       | (H <sub>2</sub> O = 1) 2.15 @ 25°C / 77°F | None known         |
| Water Solubility                       | 40% @ 20°C (68°F) with evolution of heat  | None known         |
| Solubility in other solvents           | No data available                         | None known         |
| Partition coefficient: n-octanol/water | No data available                         | None known         |
| Auto-ignition Temperature              | No data available                         | None known         |

|                                  |                   |            |
|----------------------------------|-------------------|------------|
| <b>Decomposition Temperature</b> | No data available | None known |
| <b>Viscosity</b>                 | Not applicable    | None known |
| <b>Flammable Properties</b>      | Not flammable     |            |
| <b>Explosive Properties</b>      | No data available |            |
| <b>Oxidizing Properties</b>      | No data available |            |
| <b>Other information</b>         |                   |            |
| <b>VOC Content (%)</b>           | Not applicable    |            |

## SECTION 10 - STABILITY & REACTIVITY

### Reactivity

No data available

### Chemical Stability

Stable under recommended storage conditions

### Possibility of hazardous reactions

Can only take place at very high temperature producing chlorine gas

### Hazardous Polymerization

Hazardous polymerization does not occur

### Conditions to avoid

Dust formation

### Incompatible materials

Zinc, Bromine tri-fluoride, Methyl vinyl ether

### Hazardous decompositions products

Chlorine gas

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|            |   |
|------------|---|
| Inhalation | May cause irritation of respiratory tract |
| Eye        | Contact Irritating to eyes                |
| Skin       | Contact May cause irritation              |
| Ingestion  | Harmful if swallowed                      |

#### Component Information

| Chemical Name      | LD50 Oral          | LD50 Dermal        | LC50 Inhalation                |
|--------------------|--------------------|--------------------|--------------------------------|
| Calcium Chloride   | = 1000 mg/kg (Rat) | = 2630 mg/kg (Rat) | -                              |
| Potassium Chloride | = 2600 mg/mg (Rat) | -                  | -                              |
| Sodium Chloride    | = 3 g/kg (Rat)     | > 10 g/kg (Rabbit) | > 42 g/m <sup>3</sup> (Rat) 1h |

### Symptoms related to the physical, chemical and toxicological characteristics

#### Symptoms

May cause irritation to the respiratory system

**Delayed and immediate effects and also chronic effects from short and long term exposure**

|                                 |  |
|---------------------------------|--|
| <b>Eye damage/Irritation</b>    | Irritating to eyes   |
| <b>Sensitization</b>            | No information available   |
| <b>Mutagenic Effects</b>        | No information available   |
| <b>Carcinogenicity</b>          | Contains no ingredients above reportable quantities listed as a carcinogen |
| <b>Reproductive Toxicity</b>    | No information available   |
| <b>STOT – single exposure</b>   | No information available   |
| <b>STOT – repeated exposure</b> | No information available   |
| <b>Chronic Toxicity</b>         | Avoid repeated exposure  |
| <b>Aspiration Hazard</b>        | No information available   |

**Numerical measures of toxicity – Product**

**Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity

*The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral** 979 mg/kg; Acute toxicity estimate

**LD50 Dermal** 2630 mg/kg; Acute toxicity estimate

|  |
|--|
| <b>SECTION 12 - ECOLOGICAL INFORMATION</b> |
|--|

**Ecotoxicity**

| Chemical Name                   | Toxicity to Algae                               | Toxicity to Fish   | Toxicity to Microorganisms   | Daphnia Magna (Water Flea)   |
|---------------------------------|---|--|--|--|
| Calcium Chloride<br>10043-52-4  |   | LC50 96h = 10650 mg/L static (Lepomis macrochirus)   |  | LC50 48h = 2400 mg/L (Daphnia magna)   |
| Sodium Chloride<br>7647-14-5    |   | LC50 96h = 5560-6080 mg/L flow-through (Lepomis macrochirus) LC50 96h: = 12946 mg/L static (Lepomis macrochirus) LC50 96h: 6020-7070 mg/L static (Pimephales promelas) LC50 96h: = 7050 mg/L semi-static (Pimephales promelas) LC50 96h: 6420-6700 mg/L static (Pimephales promelas) LC50 96h: 4747-7824 mg/L flow-through (Oncorhynchus mykiss) |  | EC50 48h: = 1000 mg/L (Daphnia magna)<br>EC50 48h: 340.7-469.2 mg/L Static (Daphnia magna) |
| Potassium Chloride<br>7447-40-7 | EC50 72h: = 2500 mg/L (Desmodesmus subspicatus) | LC50 96h: = 750-1020 mg/L static (Pimephales promelas)<br>LC50 96h: = 1060 mg/L static (Lepomis macrochirus)   |  | EC50 48h: = 825 mg/L (Daphnia magna)<br>EC50 48h: = 83 mg/L Static (Daphnia magna)         |
| Magnesium Chloride<br>7786-30-3 | EC50: 2200 mg/L (Desmodesmus subspicatus 72h)   | LC50 96h: 1970-3880 mg/L static (Pimephales promelas)<br>LC50 96h: =4210 mg/L static (Gambusia affinis)  | EC50=26140 mg/L 1h<br>EC50=36300 mg/L 30 min.<br>EC50=77200 mg/L 24h | EC50 48h = 140 mg/L (Daphnia magna)<br>EC50 24h = 1400 mg/L (Daphnia magna)                |

**Persistence and Degradability**

Product is not biodegradable

**Bioaccumulation**

Does not bioaccumulate

## SECTION 13 - DISPOSAL CONSIDERATIONS

### Waste treatment methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to the material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

### Contaminated Packaging

Do not re-use empty containers

## SECTION 14 - TRANSPORT INFORMATION

### DOT

Not Regulated

### TDG

Not Regulated

### MEX

Not Regulated

## SECTION 15 - REGULATORY INFORMATION

### International Inventories

TSCA Complies

DSL Complies

### Legend

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of the material.

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## SECTION 16 - OTHER INFORMATION

*The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.*

**Reference:** *The information herein is presented in good faith and believed to be correct as of the date hereof. Information is based upon supplier issued material safety data sheets and may be subject to error. If apprised of changes, updated SDS will be promptly issued. Users must make their own determination regarding the suitability of the product for their own purposes prior to use.*

*Prepared By: Lexsuco 2010 Corporation*