Flor-Dri SUPPLY COMPANY, INC.

SAFETY DATA SHEET

Rev. Date: 04/01/2023

Section 1 - Chemical Product / Company Identification

Product Identifier: **Evco Ice Eliminator**
Product Use: Snow and ice melting

Company Identification: Flor-Dri Supply Company, Inc.
5450 W. Jefferson
Detroit, MI 48209
Ph: (800) 356-7374

Emergency Telephone Number: (800) 356-7374

Section 2 - Hazards Identification

OSHA Regulatory Status: This product is not a hazardous chemical as defined by the Hazard Communication Standard of 29 CFR 1910.1200.

Classification of the substance or mixture

OSHA HCS 2012 -Not classified

Label Elements

OSHA HCS 2012

Hazard Statements -No label element(s) specifically required

Other Hazards

OSHA HCS 2012 -This product is not a hazardous chemical as defined by the Hazard Communication Standard of 29 CFR 1910.1200

EMERGENCY OVERVIEW:

Color: White
Physical State: Solid
Appearance: Granules
Odor: Odorless

Signal Word: **Warning**

MAJOR HEALTH HAZARDS: CAUSES SERIOUS EYE IRRITATION.HARMFUL IF SWALLOWED.

PHYSICAL HAZARDS: Heat is generated when mixed with water or aqueous acid solutions.

PRECAUTIONARY STATEMENTS: Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear eye protection.

ADDITIONAL HAZARD INFORMATION: Good hygiene practices include but not limited to wearing chemical resistant gloves and eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing, etc.

HAZARD CLASSIFICATION:

GHS: CONTACT HAZARD - EYE: Category 2A - Causes serious eye irritation

GHS: ACUTE TOXICITY - ORAL: Categoy 4 - Harmful if swallowed

Unknown Acute Inhalation Toxicity:

There is no acute inhalation toxicity data available for this material.

GHS SYMBOL: Exclamation mark



GHS SIGNAL WORD: **Warning**

GHS HAZARD STATEMENTS:

GHS - Health Hazard Statement(s)

• Harmful if swallowed

• Causes serious eye irritation

GHS - Precautionary Statement(s) - Prevention

• Wash thoroughly after handling

• Do not eat, drink or smoke when using this product

• Wear eye protection

GHS - Precautionary Statement(s) - Response

• 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

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

• Rinse mouth

GHS - Precautionary Statement(s) - Storage

• There are no Precautionary-Storage phrases assigned

GHS - Precautionary Statement(s) - Disposal

• Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

Section 3 - Composition/Information on Ingredients

Substances - Material does not meet criteria of a substance.

Composition			
Chemical Name	**Identifiers**	**LD50/LC50**	**Classifications According to Regulation/Directive**
Sodium Chloride	**CAS:** 7647-14-5	Ingestion/Oral-Rat LD50.3000 mg/kg	**OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified
Calcium Chloride	**CAS:** 10043-52-4	Ingestion/Oral-Rat LD50-1 g/kg	**OSHA HCS 2012:** Eye Irrit. 2; Acute Tox. 4 (orl) **WHMIS 2015:** Eye Irrit. 2; Acute Tox. 4 (orl)
Potassium Chloride	**CAS:** 7447-40-7	Ingestion/Oral-Rat LD50.2600 mg/kg	**OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified
Calcium monocarbonate	**CAS:** 471-34-1	Ingestion/Oral-Rat LD50-6450 mg/kg	**OSHA HCS 2012:** Exposure Limit
Calcium hydroxide	**CAS:** 1305-62-0	Ingestion/Oral-Rat LD50-7340 mg/kg	**OSHA HCS 2012:** Exposure Limit

Section 4 - First-Aid Measures

Description of first aid measures

Inhalation Move victim to fresh air. Administer oxygen if breathing is difficult.Give artificial respiration if victim is not breathing

Skin

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention

Eye eye irritation persists: Get medical advice/attention

Ingestion If large quantities are swallowed, call a physician immediately

Most important symptoms and side effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to physician All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred

Section 5 - Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media - Material is non-combustible. In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media - No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards - No unusual fire or explosion hazards known

Hazardous Combustion Products - No data available

Advice for firefighters

Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear suitable protective clothing, gloves, and eye/face protection.

Emergency procedures Stop leak if you can do it without risk. Keep unauthorized personnel away. Use normal clean up procedures.

Enviromental precautions

None expected to be necessary if material is used under ordinary conditions and as recommended.

Methods and material for containment and cleaning up

Containment/Clean-up Measures Carefully shovel or sweep up spilled material and place in a suitable container.

Reference to other sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

Precautions for safe handling

Handling Use good safety and industrial hygiene practices. Wash thoroughly after handling. Keep out of reach of children.

Conditions for safe storage, including any incompatabilities

Storage Avoid storage with strong acids and strong oxidizing agents.

Incompatible Materials or Ignition Sources Strong oxidizing agents, strong acids

Specific end use(s) Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

Control Parameters

Exposure Limits/Guidelines				
	Results	**ACGIH**	**Canada Ontario**	**NIOSH**
Calcium hydroxide (1305-62-0)	TWAs	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA
Calcium monocarbonate (471-34-1)	TWAs	Not Established	Not Established	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Calcium chloride (10043-52-4)	TWAs	Not Established	5 mg/m3 TWA	Not Established

Exposure Limits/Guidelines (Con't.)		
	Result	**OSHA**
Calcium hydroxide (1305-62-0)	TWAs	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

Exposure Controls

Engineering Measures/Controls Adequate ventilation as needed to control concentrations of airborne contaminates below applicable threshold limit values

Personal Protective Equipment

Pictograms



Respiratory In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face Wear safety glasses

Skin/Body Wear appropriate Gloves

General Industrial Hygiene Considerations Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls Follow best practice for site management and disposal of waste.

TWA - Time-Weighted Averages are based on 8h/day, 40h/week exposures

ACGIH - American Conference of Governmental Industrial Hygiene

NIOSH - National Institute of Occupational Safety and Health

OSHA - Occupational Safety and Health Administration

Section 9 - Physical And Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/ Description	Colorless or blue crystals with white flakes or spheres
Color	Colorless or white	Odor	No data available
Odor Threshold	No data available		
General Properties			
Boiling Point	Approx. 347° F, 175° C	Melting point/Freezing point	345° F, 174° C
Decomposition Temperature	No data available	pH	8.5 to 9.5
Specific Gravity/Relative Density	1.85-2.16	Water Solubility	Appreciable 10 to 99 %
Viscosity	No data available		
Volatility			
Vapor pressure	1.0 MMHG @ 20°C, 68°F	Vapor Density	No data available
Evaporation Rate	No data available		

Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10 - Stabitilty and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical Stability

Stable

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Incompatible materials.

Incompatible materials

Strong oxidizing agents, strong acids

Hazardous decomposition products

Will react with strong acids to generate hydrogen chloride and with strong oxidizing agents to generate chlorine gas.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Sodium chloride	7647-14-5	**Acute Toxicity:** Ingestion/Oral-Rat LD50 - 3000mg/kg; **Irritation:** Eye-Rabbit - 10mg - Moderate irritation; Skin-Rabbit - 500mg 24Hrs - Mild irritation
Calcium Chloride	10043-52-4	**Acute Toxicity:** Ingestion/Oral-Rat LD50 - 1 g/kg; **Multi-dose toxicity:** Ingestion/Oral-Rat TDLo - 2016 mg/kg 30 Day(s)-Intermittent; Brain and Coverings; **Recordings from specific of CNS;** *Cardiac* : **Pulse rate**; *Blood* : **Changes in leucocyte (WBC) count**
Potassium chloride	7447-40-7	**Acute toxicity:** Ingestion/Oral-Rat LD50 - 2600 mg/kg; **Irritation:** Eye-Rabbit - 500mg 24Hrs - Mild irritation; **Mutagen:** Cytogenetics analysis - Unreported Route-Hamster - Ovary (Somatic cell) - 140 mmol/L

GHS Properties	Classification
Acute toxicity	**OSHA HCS 2012 -** No data available **WHIMS 2015 -** No data available
Skin corrosion/Irritation	**OSHA HCS 2012 -** No data available **WHIMS 2015 -** No data available
Serious eye damage/Irritation	**OSHA HCS 2012** - No data available **WHIMS 2015 -** No data available
Skin sensitization	**OSHA HCS 2012** - No data available **WHIMS 2015 -** No data available

Aspiration Hazard	**OSHA HCS 2012 -** No data available **WHIMS 2015** - No data available
Carcinogenicity	**OSHA HCS 2012 -** No data available **WHIMS 2015 -** No data available
Germ Cell Mutagenicity	**OSHA HCS 2012 -** No data available **WHIMS 2015 -** No data available
Toxicity for Reproduction	**OSHA HCS 2012 -** No data available **WHIMS 2015 -** No data available
STOT-SE	**OSHA HCS 2012 -** No data available **WHIMS 2015 -** No data available
STOT-RE	**OSHA HCS 2012 -** No data available **WHIMS 2015 -** No data available

Potential Health Effects

Inhalation

Acute (Immediate) Under normal conditions of use, no health effects are expected. Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat.

Chronic (Delayed) No data available

Skin

Acute (Immediate) Under normal conditions of use, no health effects are expected.

Chronic (Delayed) No data available

Eye

Acute (Immediate) Exposure to dust may cause mechanical irritation.

Chronic (Delayed) No data available

Ingestion

Acute (Immediate) Ingestion may cause the following symptoms - diarrea.

Chronic (Delayed) No data available

Key to abbreviations LD = Lethal Dose TD = Toxic Dose

Section 12- Ecological Information

Toxicity Material data lacking

Material data lacking

Persistence and degradability

Material data lacking

Bioaccumulative potential

Mobility in Soil Material data lacking

Results of PBT and vPvB assessment No PBT and vPvB assessment has been conducted

Other adverse effects No studies have been found

Section 13 - Disposol Considerations

Waste treatment methods

Product waste Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

Department of Transportation (US): Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG Canada): Not regulated as dangerous goods.

IMO/IMDG: Not regulated as dangerous goods.

IATA/ICAO: Not regulated as dangerous goods.

Section 15 - Regulatory Information

U.S. REGULATIONS

OSHA REGULATORY STATUS:

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4) :

Not regulated.

SARA EHS Chemical (40 CFR 355.30)

Not regulated.

EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):

Acute Health Hazard

SARA HAZARD CATEGORIES ALIGNED WITH GHS (2018):

Health Hazard - Acute Toxin (any route of exposure)

Health Hazard - Serious eye damage or irritation

EPCRA SECTION 313 (40 CFR 372.65):

To the best of our knowledge, this product does not contain chemicals at levels that require reporting under this statue.

DEPARTMENT OF HOMELAND SECURITY (DHS) - Chemical Facility Anti-Terrorism Standards (6 CFR 27):

No components in this material are regulated under DHS

OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119)

Not regulated.

EPA'S CLEAN WATER AND CLEAN AIR ACTS:

Component(s) not listed on impacted regulatory lists.

NATIONAL INVENTORY STATUS

U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA)

Component	TSCA Inventory	TSCA ACTIVE LIST	TSCA 12(b)	TSCA/ Section 4	TSCA/ Section 5	TSCA/ Section 6	TSCA/ Section 8
Calcium Chloride 10043-52-4	Listed	ACTIVE	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Potassium Chloride 7447-40-7	Listed	ACTIVE	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Chloride 7647-14-5	Listed	ACTIVE	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Canadian Chemical Inventory: All components of this product are listed on either the DSL or the NDSL

Component	DSL	NDSL
Calcium Chloride 10043-52-4	Listed	Not Listed
Potassium Chloride 7447-40-7	Listed	Not Listed
Sodium Chloride 7647-14-5	Listed	Not Listed

STATE REGULATIONS

California Proposition 65:

This product is not listed on the California Governor's current list of Carcinogens, Reproductive Toxicants' and/or Candidate Carcinogens (Proposition 65), but it may contain trace amounts of impurities that are listed. WARNING: This product (when used in aques formulations with a chemical oxidizer such as ozone) may react to form bromate, a chemical known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	California Proposition 65 Cancer Warning:	California Proposition 65 CRT List - Male Reproductive Toxin:	California Proposition 65 CRT List - Female Reproductive toxin:	Massachusetts Right to Know Hazardous Substance List	Rhode Island Right to Know Hazardous Substance List
Calcium Chloride 10043-52-4	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Potassium Chloride 7447-40-7	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Chloride 7647-14-5	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Workplace Hazardous Materials Information System (WHMIS 2015) which includes the amended Hazardous Products Act (HPA) and the Hazardous Product Regulations (HPR)

Component	Canada- CEPA-Schedule 1 - List of Toxic Substances	Canada - NPRI	Canada - CEPA - 2010 Greenhouse Gases (GHG) Subject to Mandatory Reporting	Canadian Chemical Inventory:	NDSL
Calcium Chloride 10043-52-4	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Potassium Chloride 7447-40-7	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Chloride 7647-14-5	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Section 16 - Other Information

The information presented herein, while not guaranteed, is true and accurate to the best of our knowledge. No warranty, expressed or implied, is made regarding the performance, safety, suitability, stability, or otherwise. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and Flor-Dri Supply assumes no liability whatsoever for the use of or reliance upon this information.