



## SAFETY DATA SHEET (SDS)

<b>Section 1:</b>		<b>PRODUCT &amp; COMPANY IDENTIFICATION</b>	
<b>Product Name</b>		<b>Ice Heat</b>	
<b>CAS #</b>		7647-14-5	
<b>Product Use</b>		De-icer	
<b>Manufacturer(s)</b>	<b>Blending/Bagging</b>	<b>Salt Depot Inc</b> 5442 Wells Park Road West Jordan, Utah 84084 801-282-1250	
<b>Supplier</b>		<b>Salt Depot Inc</b> 5442 Wells Park Road West Jordan, Utah 84084 801-282-1250	
<b>24 Hour Hotline</b>		<b>CHEMTREC</b> 800-424-9300	
<b>Section 2:</b>		<b>HAZARDS IDENTIFICATION</b>	
<b>Emergency Overview</b>		CAUTION Contact may cause eye and skin irritation.	
<b>Potential Short Term Health Effects</b>			
<b>Routes of Exposure</b>		Eye, Skin Contact, Inhalation, Ingestion.	
<b>Eyes</b>		May cause irritation.	
<b>Skin</b>		May cause irritation.	
<b>Inhalation</b>		Dusts of this product may cause irritation of the nose, throat, and respiratory tract.	
<b>Ingestion</b>		May cause stomach distress, nausea or vomiting.	
<b>Target Organs</b>		Eyes. Skin. Respiratory system.	
<b>Chronic Effects</b>		Prolonged or repeated exposure can cause drying, defatting and dermatitis.	
<b>Signs and Symptoms</b>		Symptoms may include redness, edema, drying, defatting, and cracking of skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.	
<b>Section 3:</b>		<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>	
<b>Ingredient(s)</b>		<b>CAS#</b>	<b>Percent</b>
Calcium Chloride		010043-52-4	1%
Sodium Chloride		7647-14-5	97%
Magnesium Chloride		7791-18-6	1%
Potassium			1%
Acid Blue Liquid Colorant Blend (Xanthene and Triphenylmethane dyes)			
<b>Section 4:</b>		<b>FIRST AID MEASURES</b>	
<b>First Aid Procedures</b>			
<b>Eye Contact</b>		Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.	
<b>Skin Contact</b>		Flush with cool water. Wash with soap & water. Obtain medical attention if irritation persists.	
<b>Inhalation</b>		If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.	
<b>Ingestion</b>		Do not induce vomiting. Rinse mouth with water, then drink 1 to 2 glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.	
<b>Notes to Physician</b>		Symptoms may be delayed.	
<b>General Advice</b>		None Available.	
<b>Section 5:</b>		<b>FIRE FIGHTING MEASURES</b>	
<b>Flammable Properties</b>		Not flammable by WHMIS/OSHA criteria.	
<b>Flash Point &amp; Method</b>		N/A	
<b>Flammable Limits</b>		N/A	
<b>Extinguishing Media</b>			
<b>Suitable Extinguishing Media</b>		Treat for surround material, water spray, dry chemicals, foam or carbon dioxide.	
<b>Unsuitable Extinguishing Media</b>		N/A	

<b>Section 5:</b>	<b>FIRE FIGHTING MEASURES, continued</b>
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Protection of Firefighters	
Specific Hazards Arising from the Chemical	N/A
Protective Equipment for Firefighters	Firefighters should wear full protective clothing, including self contained breathing apparatus.
Unusual Fire & Explosion Hazards	None

NFPA FIRE HAZARDS		
Health:	1	
Fire:	0	
Reactivity:	0	
Specific:	N/A	

LEGEND	Minimal	0
	Slight	1
	Moderate	2
	Serious	3
	Severe	4

<b>Section 6:</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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<b>Personal Precautions</b>	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
<b>Methods of Containment</b>	None necessary.
<b>Methods for Cleaning Up</b>	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Discard containers except for storage and shipment of original product.

<b>Section 7:</b>	<b>HANDLING &amp; STORAGE</b>
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<b>Handling</b>	Avoid breathing dusts from this material.
<b>Storage</b>	Keep out of reach of children. Keep containers tightly closed in a cool, well-ventilated place.

<b>Section 8:</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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<b>Exposure Limits</b>	
<b>Ingredient(s)</b>	<b>Exposure Limits</b>
Sodium Chloride	ACGIH-TLV Not established OSAH-PEL Not established
<b>Engineering Controls</b>	<p>TWA PEL: No specific limits have been established for magnesium chloride &amp; sodium chloride (a soluble substance). As a guideline, OSHA has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise regulated (PNOR): 5mg/cu.m. Respirable dust 8-hr TWA PEL, 15mg/cu.m. Total dust 8-hr TWA PEL</p> <p>TWA TLV: No specific limits have been established for magnesium chloride &amp; sodium chloride (a soluble substance). As a guideline, ACGIH has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise classified (PNOC): 10mg/cu.m. Respirable dust 8-hr TWA TLV, 15mg/cu.m. Total dust 8-hr TWA TLV</p> <p>Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.</p>
<b>Personal Protective Equipment</b>	
<b>Eye / Face Protection</b>	Safety Glasses.
<b>Hand Protection</b>	Rubber gloves. Confirm with a reputable supplier first.
<b>Skin &amp; Body Protection</b>	As required by employer code.
<b>Respiratory Protection</b>	Where exposure guideline may be exceeded, use an approved NIOSH respirator or NIOSH approved filtering facepiece.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks & immediately after handling product.

Section 9: PHYSICAL & CHEMICAL PROPERTIES	
Appearance	Crystalline
Color	Blue
Form	Crystalline
Odor	Slightly aromatic
Odor Threshold	Not available
Physical State	Solid
pH	6-8 neutral
Melting Point	800.9 C (1473.8 F)
Freezing Point	Not available
Boiling Point	1413 C (2575.4 F)
Flash Point	Not available
Evaporation Rate	Not available
Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor Pressure	0.1 kPa (1 mmhg)@865 C
Vapor Density	Not applicable
Specific Gravity	2.17 (H@) @20 C
Relative Density	2.17 g/cm3
Octanol/Water Coefficient	Not available
Solubility (H2O)	36g/100g H2O @ 20 C
Partition Coefficient	Not available
Auto-ignition Temperature	Not available
Percent Volatile	0% w/w
Molecular Weight	58.4400 g/mole
Molecular Formula	NaCl, MgC12.6H2O
Section 10: CHEMICAL STABILITY REACTIVITY INFORMATION	
Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Do not mix with incompatible materials.
Incompatible Materials	Reactive with oxidizing agents, acids, metals in presence of moisture, lithium, bromine, trifluoride.
Hazardous Decomposition Products	May include and are not limited to: Halogenated compounds. Hydrogen chloride.
Possibility of Hazardous Reactions	
Section 11: TOXICOLOGICAL INFORMATION	
Component Analysis-LC50	
Ingredients	LC50
Sodium Chloride	>21000 mg/m3 rat
Component Analysis-Oral LD50	
Ingredients	LD50
Sodium Chloride	3000 mg/kg rat
Effects of Acute Exposure	
Eye	May cause irritation.
Skin	May cause irritation.
Inhalation	Dust of this product may cause irritation of the nose, throat, & respiratory tract.
Ingestion	May cause stomach distress, nausea or vomiting.
Sensitization	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Chronic Effects	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Carcinogenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Mutagenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Reproductive Effects	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Teratogenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Section 12: ECOLOGICAL INFORMATION	
Ecotoxicity	May be harmful to freshwater aquatic species and to plants that are not tolerant.
Environmental Effects	Not available.
Aquatic Toxicity	Not available.
Persistence / Degradability	Not available.
Bioaccumulation / Accumulation	Not available.
Mobility in Environmental Media	Not available.
Chemical Fate Information	Not available.

<b>Section 13:</b>	<b>DISPOSAL CONSIDERATIONS</b>		
Waste codes	Not available.		
Disposal instruction	Waste must be disposed of in accordance with federal, state & local environmental controls.		
Wasteform Residues / Unused Products	Not available.		
Contaminated Packaging	Not available.		
<b>Section 14:</b>	<b>TRANSPORTATION INFORMATION</b>		
Department of Transportation (DOT)	Not regulated as dangerous goods		
Transportation of Dangerous Goods (TDG)	Not regulated as dangerous goods		
<b>Section 15:</b>	<b>REGULATORY INFORMATION</b>		
Canadian Federal Regulations	This product has been classified in accordance with the hazard criteria of the controlled products regulations and the MSDS contains all the information required.		
US Federal Regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910. 1200.		
Occupational Safety & Health Administration 29 CFR 1910.1200 Hazardous Chemical	No		
CERCLA (Superfund) Reportable Quantity	None		
Superfund Amendments and Reauthorization Act of 1986 (SARA)			
Hazard Categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No		
Section 302 Extremely Hazardous Substance	No		
Section 311 Hazardous Chemical	No		
Clean Air Act (CAA)	Not available.		
Clean Water Act (CWA)	Not available.		
Safe Drinking Act (SDWA)	Not available.		
Drug Enforcement Agency (DEA)	Not available.		
Food and Drug Administration	Not available.		
WHMIS Status	Not controlled.		
State Regulations	This product does not contain any chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.		
Inventory Name	Country or Region	Inventory Name	On Inventory (yes/no)
	Canada	Domestic Substances List (DSL)	Yes
	Canada	Non-Domestic Substances List (NSDL)	No
	United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
A "YES" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).			
<b>Section 16:</b>	<b>OTHER INFORMATION</b>		
Disclaimer	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.		
SDS Revision Date	15-Jul-2014		
Other Information	This SDS conforms to the ANSI Z400.1/Z129-2010 (Rev. 12/2012)		



## SAFETY DATA SHEET

DATE PREPARED:

8/3/2017

### 1. IDENTIFICATION

**PRODUCT NAME: DEEP THAW ICE MELT®**

MANUFACTURER: MORGRO, INC.  
ADDRESS: 145 WEST CENTRAL AVE  
CITY, STATE, ZIP: SALT LAKE CITY, UT 84107  
PHONE NUMBER: 1-800-221-1049  
EMERGENCY - CHEMTREC US: 1-800-424-9300  
EMERGENCY - INTERNATIONAL: 1-703-527-3887

### 2. HAZARDOUS IDENTIFICATION

HAZARDOUS COMPONENTS: CONTAINS NO HAZARDOUS INGREDIENTS AS DEFINED IN OSHA 2 TABLES OR THE CANADIAN W.H.I.M.I.S. REGULATIONS.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>MIXTURE OF INORGANIC COMPOUNDS</u>		<u>GHS HAZARD CLASSIFICATION FOR</u>	<u>% (W/W)</u>
MAGNESIUM CHLORIDE	7786-30-3	NOT CLASSIFIED	PROPRIETARY
SODIUM CHLORIDE	7647-14-5	NOT CLASSIFIED	PROPRIETARY
COLORANT BLEND	PROPRIETARY	NOT CLASSIFIED	BALANCE

### 4. FIRST-AID MEASURES

THESE PRODUCTS ARE NOT REGULATED UNDER: OSHA HAZARD COMMUNICATIONS STANDARD 29 CFR 1910.1200. DOES NOT CONTAIN ANY HAZARDOUS COMPONENTS.

#### CARCINOGENICITY

NTP: N/A  
LARC MONOGRAPHS: N/A  
OSHA REGULATED: N/A  
SYMPTOMS OF EXPOSURE: N/A

#### ROUTE OF ENTRY

INHALATION: N/A  
SKIN: N/A  
INGESTION: N/A  
HEALTH HAZARDS: NONE KNOWN

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN

EMERGENCY AND FIRST AID PROCEDURES:

1. WASH SKIN THOROUGHLY WITH SOAP AND WATER.
2. FLUSH EYES THOROUGHLY WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ASSISTANT.
3. IF INGESTED, INDUCE VOMITING.

### 5. FIRE-FIGHTING MEASURES

FLASH PT.: N/A  
FLAMABLE LIMITS: N/A  
LEL & UEL: N/A

EXTINGUISHING METHOD: WATER/FOAM  
SPECIAL FIREFIGHTING PROCEDURES: NONE  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

### 6. ACCIDENTAL RELEASE MEASURES

SPILLS: SWEEP UP AND WASH DOWN WITH WATER.  
DISPOSAL: DISCARD IN NORMAL WASTE DISPOSAL IN ACCORDANCE WITH LOCAL REGULATIONS.

### 7. HANDLING AND STORAGE

STORE IN DRY AREA  
WASH HANDS AFTER HANDLING

KEEP CONTAINER CLOSED WHEN NOT IN USE  
 KEEP OUT OF REACH OF CHILDREN. FOLLOW GOOD CHEMICAL HYGIENE PRACTICES. AVOID INHALATION OF DUSTS/PARTICULATES. AVOID CONTACT WITH EYES AND SKIN. CLEAN UP SPILLED PRODUCT IMMEDIATELY.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION	NORMAL VENTILATION	
VENTILATION	NORMAL VENTILATION	
PROTECTIVE CLOTHING		
	GLOVES	OPTIONAL
	EYE PROTECTION	OPTIONAL
	OTHER	NONE
WORK PRACTICES	WASH HANDS AFTER HANDLING	

## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING PT.	N/A	DENSITY	60#/CUBIC FT.
VAPOR PRES	N/A	MELTING PT.	N/A
VAPOR DENS.	N/A	EVAPORATION RATE	N/A
SOL. IN WATER	HIGHLY SOLUBLE		
COLOR	GREEN GRANULE		

## 10. STABILITY AND REACTIVITY

NFPA HAZARD RATING      0- NORMAL 1-SLIGHT 2-HAZARDOUS 3- EXTREME DANGER 4- DEADLY

STABILITY	STABLE	0
CONDITIONS TO AVOID	NONE	0
INCOMPATIBILITY	N/A	
HAZARDOUS DECOMPOSITION OR BY PRODUCTS	N/A HEALTH FLAMMABILITY	1 0
HAZARDOUS BY PRODUCTS	NONE REACTIVITY	0
	PERSONAL PROTECTION	0



## 11. TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

\* ACUTE TOXICITY:

TOXICOLOGY DATA: THE FOLLOWING DATA ARE AVAILABLE FOR COMPONENTS OF THIS PRODUCT

#### SODIUM CHLORIDE

LD50 (Oral, Rat) = 3,550 mg/kg  
 LC50 (Inhalation, Rat) = 1 hour > 42,000 mg/m3  
 LD50 (Dermal, Rabbit) - > 10,000 mg/kg

#### MAGNESIUM CHLORIDE

LD50 (Oral, Rat) = 3000 mg/kg  
 LD50 (Dermal, Rabbit) = 10,000 mg/kg

SENSITIZATION: NO COMPONENTS OF THIS PRODUCT ARE KNOWN TO CAUSE SKIN OR RESPIRATORY SENSITIZATION.

## 12. ECOLOGICAL INFORMATION

### TOXICITY

BASED ON AVAILABLE DATA, THIS PRODUCT MAY BE HARMFUL TO CONTAMINATED TERRESTRIAL OR AQUATIC PLANTS OR ANIMALS, ESPECIALLY IF LARGE VOLUMES ARE RELEASED INTO THE ENVIRONMENT. THE FOLLOWING DATA ARE AVAILABLE FOR COMPONENTS OF THIS PRODUCT:

#### SODIUM CHLORIDE

LC50 (Lepomis macrochirus) - 5,840 mg/L - 96 hours  
 NOEC - Daphnia - 1,500 mg/L- 7 days  
 LC50 (Daphnia magna) - 1,661 mg/L - 48 hours

#### MAGNESIUM CHLORIDE

LC50 (Pimephales promelas) - 2,119.3 mg/L - 96 hours  
 LC50 (Daphnia magna) - 548.4 mg/L - 48 hours  
 EC50 (Desmodesmus subspicatus/Scenedesmus subspicatus) - > 100 mg/L - 72 hours  
 EC50 - Sludge Treatment - > 900 mg/l - 3 hours

### OTHER ADVERSE EFFECTS

NONE REPORTED

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### **13. DISPOSAL CONSIDERATIONS**

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#### **WASTE TREATMENT METHODS**

DISCARD IN NORMAL WASTE DISPOSAL IN ACCORDANCE WITH FEDERAL & STATE REGULATIONS

#### **DISPOSAL CONSIDERATIONS**

EPA RCRA WASTE CODE: NOT APPLICABLE

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### **14. TRANSPORT INFORMATION**

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DEPARTMENT OF TRANSPORTATION (DOT) - NOT REGULATED

FREIGHT CLASS - 50

#### **ENVIRONMENTAL HAZARDS**

NONE DESCRIBED, AS RELATED TO TRANSPORTATION

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### **15. REGULATORY INFORMATION**

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US FEDERAL REGULATIONS: THIS PRODUCT IS NOT KNOWN TO BE A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARDOUS COMMUNICATIONS STANDARD, 29 CFR 1910.1200

WHMIS STATUS: NOT CONTROLLED

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### **16. OTHER INFORMATION**

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#### **INDICATION OF CHANGE**

DATE OF REVISION: June 1, 2015

CHANGE INDICATED: Update of OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### **KEY LITERATURE REFERENCES AND SOURCES FOR DATA**

Federal OSHA Hazard Communication Standard: 29 CFR 1910.1200.

- SAX – Dangerous Properties of Industrial Materials
- RTECS – Registry of Effects of Toxic Chemicals
- TOXNET – <http://toxnet.nlm.nih.gov/>

#### **DISCLAIMER**

MORGRO,INC. makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by MORGRO,INC. as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does MORGRO,INC. assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. MORGRO,INC. does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.



## SAFETY DATA SHEET (SDS)

**ULTRAVIOLET<sup>®</sup>**

<b>Section 1: PRODUCT &amp; COMPANY IDENTIFICATION</b>		
<b>Product Name</b>	ULTRAVIOLET <sup>®</sup> Snow & Ice Melt, Extreme Power	
<b>CAS #</b>	7647-14-5	
<b>Product Use</b>	De-icer	
<b>Manufacturer(s)</b>	<b>Blending/Bagging</b>	Salt Depot Inc. 5442 Wells Park Road West Jordan, UT 84081 801-282-1250
<b>Supplier</b>	ULTRAVIOLET <sup>®</sup> , Inc. 5842 Royaltown Drive Murray, UT 84107 888.88ICEMELT	
<b>24 Hour Hotline</b>	CHEMTREC 800-424-9300	
<b>Section 2: HAZARDS IDENTIFICATION</b>		
THIS PRODUCT, IN ITS ENTIRETY, AS WELL AS ITS INDIVIDUAL COMPONENTS, IS NOT CLASSIFIED AS HAZARDOUS UNDER OSHA HAZCOM2012 REGULATIONS OR THE CANADIAN W.H.I.M.I.S. REGULATIONS.		
<b>Section 3: COMPOSITION / INFORMATION ON INGREDIENTS</b>		
<b>Ingredient(s)</b>	<b>CAS#</b>	<b>Percent</b>
Sodium Chloride	7647-14-5	97%
Calcium Chloride	10043-52-4	1%
Magnesium Chloride	7791-18-6	1%
Potassium Chloride	7447-40-7	1%
Proprietary Purple Liquid Colorant Blend	Proprietary	
<b>Section 4: FIRST AID MEASURES</b>		
<b>First Aid Procedures</b>		
	Eye Contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
	Skin Contact	Flush with cool water. Wash with soap & water. Obtain medical attention if irritation persists.
	Inhalation	If symptoms develop move victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.
	Ingestion	Do not induce vomiting. Rinse mouth with water, then drink 1 to 2 glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
<b>Notes to Physician</b>	Symptoms may be delayed. 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.	
<b>Section 5: FIRE FIGHTING MEASURES</b>		
<b>Flammable Properties</b>	Not flammable by WHMIS/OSHA criteria.	
<b>Flash Point &amp; Method</b>	N/A	
<b>Flammable Limits</b>	N/A	
<b>Extinguishing Media</b>		
	Suitable Extinguishing Media	Treat for surround material, water spray, dry chemicals, foam or carbon dioxide.
	Unsuitable Extinguishing Media	N/A



Section 5:		FIRE FIGHTING MEASURES, continued	
Protection of Firefighters			
Specific Hazards Arising from chemical Protective Equipment for Firefighters		N/A Full protective clothing, including self contained breathing apparatus.	
Unusual Fire & Explosion Hazards		None	
NFPA FIRE HAZARDS			
Health: 1		LEGEND	Minimal 0
Fire: 0			Slight 1
Reactivity: 0			Moderate 2
Specific: N/A			Serious 3
			Severe 4
Section 6:		ACCIDENTAL RELEASE MEASURES	
Personal Precautions		Wear suitable protective clothing, gloves and eye/face protection.	
Methods of Containment		None necessary.	
Methods for Cleaning Up		Use broom, shovel or dry vacuum to collect material for proper disposal without raising dust. Discard in normal waste disposal with accordance with local regulations. Following product recovery, flush area with water.	
Section 7:		HANDLING & STORAGE	
Handling Storage		Use care in handling/storage. Avoid breathing dust. Keep out of reach of children. Keep containers tightly closed when not in use in a cool, dry, well-ventilated place.	
Section 8:		EXPOSURE CONTROLS / PERSONAL PROTECTION	
Occupational Exposure Limits		No exposure limits noted for ingredient(s).	
Biological Limit Values		No biological exposure limits noted for ingredient(s).	
Appropriate Engineering Controls		TWA PEL: No specific limits have been established for magnesium chloride & sodium chloride (a soluble substance). As a guideline, OSHA has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise regulated (PNOR): 5mg/cu.m. Respirable Dust 8-hr TWA PEL, 15mg/cu.m. Total Dust 8-hr TWA PEL  TWA TLV: No specific limits have been established for magnesium chloride & sodium chloride (a soluble substance). As a guideline, ACGIH has established the following limits which are generally recognized for inert or nuisance dust. Particulates not otherwise classified (PNOC): 10mg/cu.m. Respirable dust 8-hr TWA TLV, 15mg/cu.m. Total dust 8-hr TWA TLV  Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.	
Personal Protective Equipment			
Eye / Face Protection		Optional	
Hand Protection		Optional	
Skin & Body Protection		As required by employer code.	
Respiratory Protection		Where exposure guideline may be exceeded, use an approved NIOSH respirator or NIOSH approved filtering facepiece.	
General Hygiene Considerations		Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks & immediately after handling product.	

Section 9: PHYSICAL & CHEMICAL PROPERTIES	
Appearance	Crystalline
P	Solid
7	Crystalline
#	Colorless to White
\	Odorless
\	N/A
=	6-8 neutral
U	800.9 C (1473.8 F)
7	N/A
"	1413 C (2575.4 F)
7	N/A
-	N/A
7	N/A
7	N/A
†	0.1 kPa (1mmhg)@865 C
Vapor Density	N/A
Specific Gravity	2.17 (H@) @20 C
Relative Density	2.17 g/cm3
Octanol/Water Coefficient	N/A
Solubility (H2O)	36g/100g H2O @20 C
Partition Coefficient	N/A
Auto-ignition Temperature	N/A
Percent Volatile	0% w/w
Molecular Weight	58.4400 g/mole
Molecular Formula	NaCl
Section 10: CHEMICAL STABILITY REACTIVITY INFORMATION	
Chemical Stability	Material is stable under normal conditions.
Conditions to Avoid	Contact with incompatible materials.
Incompatible Materials	Reactive with oxidizing agents, acids, metals in presence of moisture, lithium, bromine, trifluoride.
Hazardous Decomposition Products	May include and are not limited to: Hydrogen chloride. Chlorine gas. Oxides of magnesium.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Section 11: TOXICOLOGICAL INFORMATION	
Component Analysis-LC50 Ingredients	LC50
Sodium Chloride	1 hour>42,000 mg/m3 rat
Component Analysis-Oral LD50 Ingredients	LD50
Sodium Chloride	3,550 mg/kg rat
Effects of Acute Exposure	10,000 mg/kg rabbit
Eye	Direct contact with eyes may cause temporary irritation.
Skin	No adverse effects due to skin contact are expected.
Inhalation	Dust of this product may cause irritation of the nose, throat, & respiratory tract.
Ingestion	Expected to be a low ingestion hazard.
Sensitization	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Chronic Effects	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Carcinogenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Mutagenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Reproductive Effects	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Teratogenicity	Not classified or listed by IARC, NTP, OSHA, and ACGIH.
Section 12: ECOLOGICAL INFORMATION	
Excotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large of frequent spills can have a harmful or damaging effect on the environment.
Component Analysis	
Sodium Chloride	LC50 (Lepomis machrochirus) - 5,840 mg/L - 96 hours
	NOEC - Daphnia - 1,500 mg/L - 7 days
	LC50 (Daphnia magna) - 1,661 mg/L - 48 hours
Persistence / Degradability	N/A
Bioaccumulation / Accumulation	N/A
Mobility in Environmental Media	N/A
Chemical Fate Information	N/A
Other Adverse Effects	None reported

<b>Section 13:</b>	<b>DISPOSAL CONSIDERATIONS</b>		
<b>Waste codes</b>	Not available.		
<b>Disposal instruction product/packaging waste</b>	Dispose of content and/or container in accordance with federal, state & local environmental controls and regulations.		
<b>Section 14:</b>	<b>TRANSPORTATION INFORMATION</b>		
<b>U.S. Department of Transportation (DOT)</b>	Not regulated as dangerous goods		
<b>Transportation of Dangerous Goods (TDG-Canada)</b>	Not regulated as dangerous goods.		
<b>Section 15:</b>	<b>REGULATORY INFORMATION</b>		
<b>Canadian Federal Regulations</b>	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required.		
WHMIS status	Not Controlled		
<b>US Federal Regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910. 1200.		
OSHA 29 CFR 1910.1200 Hazardous Chemical	Not listed		
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed		
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D)	Not regulated		
Superfund Amendments and Reauthorization Act of 1986 (SARA)			
Hazard Categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No		
Section 302 Extremely Hazardous Substance	No		
Section 311/312 Hazardous Chemical	No		
Section 313 TRI reporting	Not regulated		
Clean Air Act Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated		
Clean Air Act Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated		
Clean Water Act (CWA)	Not regulated		
Safe Drinking Act (SDWA)	Not regulated		
Drug Enforcement Agency (DEA) Food and Drug Administration	Total food additive		
US State Regulations			
California Prop 65	This product does not contain any chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.		
Massachusetts, Pennsylvania, Rhode Island RTK	Not Regulated		
<b>Inventory Status</b>			
<b>Country or Region</b>	<b>Inventory Name</b>	<b>On Inventory (yes/no)</b>	
Canada	Domestic Substances List (DSL)	Yes	
Canada	Non-Domestic Substances List (NSDL)	No	
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes	
A "YES" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).			
<b>Section 16:</b>	<b>OTHER INFORMATION</b>		
<b>Disclaimer</b>	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.		
<b>SDS Revision Date</b>	07-September-2019		
<b>Other Information</b>	This SDS conforms to the ANSI Z400.1/Z129-2010 (Rev. 12/2012)		