

Date of MSDS Preparation (mm/dd/yyyy)  
2017-05-01

Superseded date (mm/dd/yyyy)  
2015-07-23

**Section 1 : Identification**

**Product Identifier:** ICE SHEILD  
**Other Identifiers:** Sodium Chloride, Rock Salt  
**Restrictions** None known  
**Recommended Use:** Road De-icer  
**Supplier Details:** Tillson Brands Inc.  
 50 Clearview Drive  
 Tillsonburg ON  
 N4G 4G8  
 519-842-7609  
**Emergency Contact:** 519-619-5243

**Section 2 : Hazard(s) Identification**

**Classification (GHS):** Not Classified  
 Physical Hazards Not Classified  
 Health Hazards Not Classified  
 Environmental Hazards Not Classified  
 WHMIS Not Controlled

**GHS Labeling:** Labeling not applicable  
 Hazard Symbol None  
 Signal Word None  
 Hazard Statement None

**Prcautionary Statement**  
 Prevention Observe good industrial hygiene practices  
 Response Wash hands after handling  
 Storage Store away from incompatible materials (see Section 10)  
 Disposal Dispose of waste and residues in accordance with local authorities

**Other Hazards (Not Requiring Classification):**  
 May cause mild irritation of the eyes with prolonged exposure.  
 May cause irritation to exposed skin. May cause irritation to the respiratory tract.

**Section 3 : Composition/Information on Indredients**

Ingredients	Percentage	CAS. NO.	Classification
Sodium Chloride	*	7647-14-5	Not Classified
Proprietary Organic Salt & Polyol Blend	*	--	Not Classified
Calcium Magnesium Acetate	*	76123-46-1	Not Classified

\* Ingredients are not considered to be hazardous

## Section 4 : First Aid Measures

<b>Eye Contact:</b>	Wash eyes with plenty of water for 20 minutes, lifting eyelids occasionally. Seek medical assistance as risk of scratches to eye.
<b>Skin Contact:</b>	Wash exposed area with soap and water. If any irritation persists, seek medical attention.
<b>Inhalation:</b>	Remove to fresh air. Contact doctor or Poison Control if difficulty breathing persists.
<b>Ingestion:</b>	Give 3-4 glasses of water. If vomiting occurs, give fluids again. Get medical attention as evacuation of the stomach may be required. Do not induce vomiting.
<b>Most Important Symptoms/Effects Acute/Delayed:</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of Immediate Medical Attention/ Special Treatment:</b>	Treat symptomatically. May aggravate pre-existing dermatitis or other skin disorders. May aggravate cardiovascular disorders.

## Section 5 : Fire Fighting Measures

<b>Suitable Extinguishing Media:</b>	This material does not burn. Use what appropriate for surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	Not applicable
<b>Specific Hazards:</b>	When involved in fire product may decompose and produce acrid vapours, magnesium compounds and chloride compounds.
<b>Fire-fighting Equipment:</b>	Use extinguishing media most appropriate for the surrounding fire.
<b>Special Firefighting Procedures:</b>	Exposed firefighters should wear NIOSH self-contained breathing apparatus with full-face piece and full protective clothing. Fire water run-off should be contained to protect aquatic environments.

## Section 6 : Accidental Release Measures

### **Personal Precautions, Protective Equipment and Emergency Procedures:**

Avoid exposure to eyes and skin. Wear safety glasses with side shields. Avoid skin exposure with gloves and clean body-covering clothing. Where ventilation is poor the use of a NIOSH approved respirator is recommended. Recover and reuse whenever possible.

### **Methods and Materials for Containment and Clean-up:**

Wear appropriate protective equipment. Vacuum any spill for use as ice-melt. Dispose of any waste as required by local by-laws and Provincial Regulations.

**Environmental Precautions:** Do not allow large quantities to enter water systems or areas of vegetation.

## Section 7: Handling & Storage

### Precautions for Safe Handling:

Wear appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue. Do not reuse container.

### Conditions for Safe Storage (Including Incompatible Materials):

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Do not allow to freeze as product will clump. See Section 10 for listing of hazardous incompatible materials.

## Section 8 : Exposure Control/Personal Protection

Control Parameters:	Material	OSHA	ACGIH	Ontario	NTP/IARC	WHMIS
	Sodium Chloride	None	None	None	None	None
	Polyol Blend	None	None	None	None	None
	Calcium Magnesium Acetate	None	None	None	None	None

OSHA No specific limits have been established for this material. As a guideline OSHA has established the following limits which are generally recognized for inert or nuisance dust:  
Particulates Not Otherwise Classifies (PNOC) - 5 mg/cu.m  
Respirable Particulate 8-Hr TWA - 3 mg/cu.m

ACGIH No specific limits have been established for this material. As a guideline OSHA has established the following limits which are generally recognized for inert or nuisance dust:  
Particulates Not Otherwise Classifies (PNOC) - 10 mg/cu.m  
Respirable Particulate 8-Hr TWA - 3 mg/cu.m

### Applicable control measures, including engineering controls:

Use process enclosures, local exhaust ventilation or other controls to maintain airborne levels below the recommended limits.

### Personal protective equipment for each exposure route:

**General:** Ensure that eyewash stations are close to the workstation location. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

**Ingestion:** Observe good hygiene practices. Wash before eating, drinking or smoking.

**Eyes:** Glasses with sideshields as appropriate to the handling circumstances.

**Skin:** Rubber or neoprene gloves and clean body-covering clothing.

**Inhalation:** None normally required. If dusty conditions encountered, a NIOSH approved respirator should be worn.

### Section 9 : Physical & Chemical Properties

<b>Appearance:</b>	Blue solid	<b>Vapour Density:</b>	NA
<b>Formulation Type:</b>	Granular	<b>Boiling point:</b>	NA
<b>Odour:</b>	Odourless	<b>Melting point:</b>	
<b>pH:</b>	6-8 (Neutral)	<b>Freezing Point:</b>	NA
<b>vapour pressure</b>	NA	<b>Specific gravity or density:</b>	2.2
<b>and Vapour Density</b>	NA	<b>Relative Density</b>	NA
<b>Evaporation Rate:</b>	NA	<b>Viscosity:</b>	NA
<b>Odour threshold:</b>	NA	<b>Solubility in Water:</b>	317 gm/l @ 20C
<b>Flammability:</b>	NA	<b>Partition Coefficient</b>	NA
<b>Flash Point</b>	NA		
<b>UFL</b>	NA		
<b>LFL</b>	NA		
<b>Auto Ignition Temperature</b>	NA	<b>Decomposition Temperature</b>	NA

### Section 10 : Stability & Reactivity

<b>Reactivity:</b>	None known
<b>Chemical Stability:</b>	STABLE
<b>Possibility of Hazardous Reactions:</b>	None known
<b>Conditions to Avoid:</b>	Protect from moisture and extreme heat.
<b>Incompatible Materials:</b>	Strong oxidizing agents and strong acids.
<b>Hazardous Decomposition Products:</b>	Chloride compounds

### Section 11 : Toxicological Information

**Ingestion:** Expected to be a low ingestion hazard. Ingestion may cause gastrointestinal irritation. Ingestion of large quantities may cause nausea, gastrointestinal discomfort and abdominal pain. LD50 (Mouse) is 4gm/kg.

**Inhalation:** No adverse effects are expected but the product may cause irritation to the nose, throat

and respiratory tract. Dusts may cause temporary coughing and sneezing.

**Eye Contact:** This product may cause irritation, redness and injuries due to its abrasive action. Prolonged contact with dust may cause drying of the eyes due to absorption of oils and moisture.

**Skin Contact:** No adverse effects are expected but this product may cause irritation due to its abrasive action. Prolonged contact with dust may cause drying of the skin due to absorption of oils and moisture.

**Skin Sensitization:** Skin or respiratory sensitization is not expected.

**Reproductive/Development Effects:** None of the ingredients of this product have been reported to cause birth defects.

**Carcinogenicity:** Not listed by IARC, NTP, OSHA, NIOSH or California

**Other Toxicity Information:** This product is not considered a health hazard except at very high dosages.

**Target** Skin and eyes

## Section 12 : Ecological Information

**Ecotoxicity:** No specific information  
Large quantities may damage vegetation and be poisonous to fish and other aquatic life. Run-off from a fire should be contained and prevented from entering waterways.

**Persistence and Degradability:** No specific information

**Bioaccumulative Potential:** No specific information.

**Mobility in Soil:** No specific information

**Other Adverse Effects:** No specific information

## Section 13 : Disposal Considerations

**Waste Disposal Information:**  
Spilled material should be collected whenever possible for use as per the product label. When this is not practical, vacuum or shovel into containers. Label and dispose of the collected material according to Provincial Regulations.

## Section 14 : Transport information

**UN Number:** Not regulated  
**Proper Shipping Name:** None  
**Transport Hazard Class(es):** Not regulated  
**Packing Group:** Not regulated  
**Environmental Hazards:** Not regulated  
**Transport in Bulk:** Not regulated  
**Special Precautions:** This product is not regulated for shipping in North America.

## Section 15 : Regulatory Information

**WHMIS Classification for product:**

Not controlled

**Canadian DSL**

The ingredients in this product are on the Domestic Substance List.

## Section 16 : Other Information

### **Disclaimer**

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