



# Material Safety Data Sheet

## SECTION 01: PRODUCT & COMPANY IDENTIFICATION

**PRODUCT NAME:** Inhibited Calcium Chloride 30 – 32%

**MANUFACTURER:** Innovative Surface Solutions  
78 Orchard Road,  
Ajax, Ontario, L1S 6L1, Canada.

**Effective date:** December, 2011.

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**EMERGENCY PHONE NUMBER:** 613-996-6666  
24 Hours/Day: 7 Days/Week

**FOR MORE INFORMATION CALL:** 1-800-387-5777  
905-427-0318

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**Trade name:** Liquid Calcium Chloride  
**Material uses:** De-icing, anti-icing  
**WHMIS classification:** Not controlled  
**Chemical family:** Inorganic salt solution

## SECTION 02: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENTS:	CAS #	% by Weight
Calcium Chloride	10043-52-4	30.0 - 32.0%
Corrosion Inhibitor	-	15.0%

## SECTION 03: PHYSICAL DATA

**Physical state:** Liquid  
**Odor / appearance:** Burnt sugar/ dark brown  
**Odor threshold:** n/a  
**Specific gravity:** 1.322 g/mL  
**pH:** 8.0 to 10.0  
**Vapor pressure:** n/a  
**Solubility in water:** Soluble in water  
**% Volatile:** n/a  
**Coefficient of water / oil distribution:** n/a  
**Vapor density:** n/a

## SECTION 04: FIRE & EXPLOSION HAZARD

**Flammability:** No.  
**If yes under what conditions:** n/a  
**Means of extinguishing:** n/a  
**Special procedure:** None. Product can be used to extinguish fire.  
**Flash point:** n/a  
**Upper explosion limit:** n/a  
**Lower explosion limit:** n/a  
**Auto ignition temperature:** n/a  
**Sensitivity to mechanical impact:** n/a  
**Sensitivity to static discharge:** n/a

**SECTION 05: REACTIVITY DATA**

Chemical stability:	Yes
If no under what conditions:	n/a
Incompatibility with other substances: If so, which ones:	Yes Corrosive to some metals such as brass, mild steel, aluminum or ferrous metals
Reactivity under what conditions:	n/a
Hazardous decomposition products:	Chlorine fumes are given off at temperatures >1600°C

**SECTION 06: HEALTH HAZARDS**

Route of entry:	Inhalation and Ingestion
Effect of acute exposure to material:	Very low toxicity value may cause irritation to eyes or skin
Effect of chronic exposure to material:	Unknown
Exposure limit:	Unknown
Synergetic material:	None
Irritancy of material:	Minor irritant
Sensitivity of material:	Does not occur
Carcinogenic, reproductive effects:	None

**SECTION 07: FIRST AID MEASURES**

Eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
Skin contact:	Remove from skin by wiping and washing thoroughly with water.
Inhalation:	Remove victim to fresh air.
Ingestion:	If discomfort exists, induce vomiting. Seek medical attention immediately

**SECTION 08: PREVENTATIVE MEASURES**

Eye contact:	Wear safety goggles.
Skin contact:	Wear rubber gloves, boots and long sleeve shirts
Inhalation:	For dusty or misty conditions, wear NIOSH approved dust or mist respirator.
Engineering controls:	Mechanical ventilation recommended in enclosed areas.
Waste disposal:	Dispose of material in government approved landfill site in accordance with local laws.
Handling procedures and equipment:	Wash skin and equipment with water.
Storage requirements:	Store in cool dry area.
Special shipping information:	No special shipping procedures.

**SECTION 09: PREPARATION INFORMATION**

Prepared by:	Innovative Surface Solutions
Telephone #:	905-427-0318
Preparation date:	December, 2011
Superseded date:	ALL PREVIOUS VERSIONS