



Material Safety Data Sheet

SECTION 01: PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Calcium Chloride 35%

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

Effective date: December, 2011.

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

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

Trade name: Liquid Calcium Chloride
Material uses: De-icing, dust control
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	35.0%

SECTION 03: PHYSICAL DATA

Physical state: Liquid
Odor / appearance: Odourless/ clear colourless
Odor threshold: n/a
Specific gravity: 1.375 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:	Yes
If so, which ones:	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