



Material Safety Data Sheet

SECTION 01: PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: **DOWFLAKE XTRA**

DISTRIBUTOR: **Innovative Surface Solutions** Effective date: **December, 2011.**

78 Orchard Road,
Ajax, Ontario, L1S 6L1, Canada.

EMERGENCY PHONE NUMBER:

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FOR MORE INFORMATION CALL:

1-800-387-5777
905-427-0318

Trade name: DOWFLAKEXTRA, Calcium Chloride Flakes
Material uses: De-icing, dust control
WHMIS classification: Class D, Division 2B
Chemical family: Inorganic salt

SECTION 02: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENTS:	CAS #	% by Weight
Calcium Chloride	10035-04-8	>83.0 to <87.0%
Water	7732-18-5	>8.0 to <14.0%
Potassium Chloride	7447-40-7	>2.0 to <3.0%
Sodium Chloride	7647-14-5	>1.0 to <2.0%

SECTION 03: PHYSICAL DATA

Physical state: Solid
Odor / appearance: Odorless/ small white flakes, hygroscopic
Odor threshold: n/a
Specific gravity: n/a
pH: 8.0 to 9.0
Vapor pressure: 1 mm
Solubility in water: 97.7 g/100mL at 0°C, 326 g/100mL at 60°C
% 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: Skin contact and ingestion
Effect of acute exposure to material: Moderately toxic LD50 (oral rate): 1000 mg/Kg
Effect of chronic exposure to material: Unknown
Exposure limit: TWAEV for nuisance particulates 10mg/m³
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