

# Material Safety Data Sheet

## Section 01: Product & Company Identification

**Product Name:** Zerogo Xtra

**Date Prepared:** December 1, 2011

**Supplier's Name:** Brodi Specialty Products Ltd.

**Supplier's Address:** 3175 14th Ave. Unit 1 Markham, ON, L3R 0H1

**Emergency Phone:** (613) 996-6666

**Information Phone:** 1-(877) 744-0751

**Prepared By:** MSDS Co-ordinator, (877) 744-0751 ext 205, Brodi Specialty Products Ltd

**Trade Name:** Flake Calcium Chloride **Material Uses:** Dust Control, De-icing

**WHMIS Classification:** Class D, Division 2B **Chemical Family:** Inorganic Salt Solution

## Section 2: 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 3: Physical Data

<b>Physical state:</b>	Solid
<b>Odor / Appearance:</b>	Small White flakes, Hygroscopic
<b>Odor Threshold:</b>	n/a
<b>Specific Gravity:</b>	n/a
<b>pH:</b>	8.0 to 9.0
<b>Vapor Pressure:</b>	1 mm
<b>Solubility in Water:</b>	97.7gms/100 ml @ C, 326gms/100 ml @ 60 C
<b>% Volatile:</b>	n/a
<b>Coefficient of water / oil Distribution:</b>	n/a
<b>Vapor Density:</b>	n/a

## Section 4: Fire & Explosion Hazard

<b>Flammability:</b>	No
<b>If yes under what Conditions:</b>	n/a
<b>Means of Extinguishing:</b>	n/a
<b>Special Procedure:</b>	None, Product can be used to extinguish fire
<b>Flash Point:</b>	n/a
<b>Upper Explosion Limit:</b>	n/a
<b>Lower Explosion Limit:</b>	n/a
<b>Auto Ignition temperature:</b>	n/a
<b>Sensitivity to Mechanical Impact:</b>	n/a
<b>Sensitivity to Static Discharge:</b>	n/a

## Section 5: Reactivity Data

<b>Chemical Stability:</b>	Yes
<b>If No Under What Conditions:</b>	n/a
<b>Incompatibility o other Substances:</b>	Yes
<b>If So, Which ones:</b>	Corrosive to some metals such as brass, mild steel, aluminum or Ferrous metals
<b>Reactivity under What Conditions:</b>	n/a
<b>Hazardous Decomposition Products:</b>	Chlorine Fumes are given off @ temperature >1600C

## Section 6: Health Hazards

<b>Route of Entry:</b>	Skin Contact and Ingestion
<b>Effect of Acute exposure to material:</b>	Moderately Toxic LD50 (Oral rate): 1000 mg /Kg
<b>Effect of Chronic exposure to material:</b>	Unknown
<b>Exposure limit:</b>	TWAEV for nuisance particulates 10mg/m <sup>3</sup>
<b>Synergetic Material:</b>	None
<b>Irritancy of Material:</b>	Minor Irritant
<b>Sensitivity of Material:</b>	Does Not Occur
<b>Carcinogenic, Reproductive Effect:</b>	None

## Section 7: 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 8: Preventative Measures

<b>Eye Contact:</b>	Wear Safety Goggles.
<b>Skin Contact:</b>	Wear Rubber Gloves, Boots & Long Sleeve Shirt
<b>Inhalation:</b>	For dusty or misty conditions, wear NIOSH approved dust or mist respirator
<b>Engineering Controls:</b>	Mechanical ventilation recommended in enclosed areas
<b>Waste Disposal:</b>	Dispose of material in government approved landfill site in accordance with local laws
<b>Handling Procedures &amp; Equipment:</b>	Wash skin and equipment with water
<b>Storage requirement:</b>	Store in cool dry area
<b>Special Shipping information:</b>	No special shipping procedure necessary