

# Fiche Signalétique/ Material Safety Data Sheet MSDS # 030

## ZeroGo

### SECTION I - MATERIAL IDENTIFICATION AND USE/IDENTIFICATION DE LA MATIÈRE ET

#### USAGE

**MATERIAL NAME/IDENTIFIÉ**

**NOM/IDENTIFICATION DE LA MATIÈRE**

ZeroGo

#### CLASSIFICATION

**WHMIS:** Class D, division 2B

#### PACKING GROUP:

**PRIMARY TDG:** Not regulated

#### MANUFACTURERS NAME AND ADDRESS/NOM DU

#### FABRICANT & ADRESSE

Brodi Specialty Products Ltd. 3175 14th Avenue Unit 1 Markham, Ontario L3R 0H1

#### EMERG. PHONE #/N/ de TÉLÉPHONE D.URGENCE

(613) 996-6666

#### CHEMICAL NAME/

#### DÉNOMINATION CHIMIQUE

Calcium chloride, dihydrate

#### CHEMICAL FAMILY/FAMILLE

#### CHIMIQUE

#### CHEMICAL FORMULA/

#### FORMULE CHIMIQUE

CaCl<sub>2</sub> \* 2H<sub>2</sub>O (77%)

#### TRADE NAME & SYNONYMS/

#### APPELATION COMMERCIALE

#### ET SYNONYMES

Flake Calcium chloride

#### MOLECULAR WEIGHT/POIDS

#### MOLÉCULAIRE

147.02

#### MATERIAL USE/

#### UTILIZATION DE LA MATIÈRE

De-icing, Dust control

### SECTION II - HAZARDOUS INGREDIENTS/INGRÉDIENTS DANGEREUX DE LA MATIÈRE

#### CHEMICAL IDENTITY/

#### IDENTITÉ CHIMIQUE

Calcium chloride

#### CONCENTRATION%

77%

#### CAS#/

#### N/ CAS

10035-04-8

#### PIN #/

#### N/ PIN

#### LD<sub>50</sub>/DL<sub>50</sub>

Rat Oral

>1000mg/kg

#### LC<sub>50</sub>/CL<sub>50</sub>

### SECTION III - PHYSICAL DATA/CARACTÉRISTIQUES PHYSIQUES

#### PHYSICAL STATE/ÉTAT PHYSIQUE

solid

#### ODOR & APPEARANCE/ODEUR ET APPARENCE

small white flakes, hygroscopic

#### ODOR THRESHOLD/SEUIL DE L.ODEUR (PPM)

n/a

#### SPECIFIC GRAVITY/DENSITÉ RELATIVE

n/a

#### VAPOR PRESSURE/TENSION DE VAPEUR (MM)

1

**VAPOR DENSITY/DENSITÉ DE VAPEUR (AIR=1)**

n/a

**FREEZING POINT/POINT DE CONGÉLATION (/C)**

n/a

**SOLUBILITY IN WATER/SOLUBILITÉ DANS L'EAU**

(20 /C) 97.7 g/100ml @ 0 deg C, 326 g/100ml @ 60 deg C

**% VOLATILE/VOLATILITÉ BY/PAR VOLUME**

<1

**pH**

neutral to slightly alkaline

**COEFFICIENT OF WATER/OIL DISTRIBUTION/COEFFICIENT DE RÉPARTITION EAU/HUILE** n/a

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**SECTION IV - FIRE & EXPLOSION HAZARD/RISQUES D'INCENDIE ET D'EXPLOSION**

**FLAMMABILITY/INFLAMMABILITÉ**

no

**IF YES UNDER WHAT CONDITIONS, SI OUI, DANS QUELLES CONDITIONS?**

**MEANS OF EXTINGUISHING/MOYENS**

**D'EXTINCTION** n/a

**SPECIAL PROCEDURES/MARCHE À SUIVRE**

**SPÉCIALE**

use extinguishing media appropriate for surrounding fire

**FLASH POINT (/C) & METHOD/POINT D'ÉCLAIR**

**(/C) ET MÉTHODE DE DÉTERMINATION**

n/a

**UPPER EXPLOSION LIMIT/SEUIL MAXIMAL**

**D'INFLAMMABILITÉ (% BY/PAR VOLUME)**

none

**LOWER EXPLOSION LIMIT/SEUIL MINIMAL**

**D'INFLAMMABILITÉ (% BY/PAR VOLUME)**

none

**AUTO IGNITION TEMPERATURE (/C)**

**/TEMPÉRATURE D'AUTO INFLAMMATION**

n/a

**SENSITIVITY TO MECHANICAL**

**IMPACT/SENSIBILITÉ AUX CHOCS**

not sensitive

**SENSITIVITY TO STATIC DISCHARGE/**

**SENSIBILITÉ AUX DÉCHARGES**

**ÉLECTROSTATIQUES** None

**SECTION V - REACTIVITY DATA/DONNÉES SUR LA RÉACTIVITÉ**

**CHEMICAL STABILITY/STABILITÉ CHIMIQUE**

yes

**IF NO UNDER WHAT CONDITIONS/SI NON, DANS QUELLES CONDITIONS?**

**INCOMPATIBILITY TO OTHER SUBSTANCES/**

**INCOMPATIBILITÉ AVEC D'AUTRES SUBSTANCES**

Yes

**IF SO, WHICH ONES/SI OUI, AVEC LESQUELLES**

Bromine trifluoride, sulfuric acid, sodium, methyl vinyl, zinc

**REACTIVITY UNDER WHAT CONDITIONS/**

**RÉACTIVITÉ DANS QUELLES CONDITIONS?**

n/a

**HAZARDOUS DECOMPOSITION PRODUCTS/**

**PRODUITS DÉCOMPOSITION DANGEREUX**

Chloride fumes are given off @ temperatures >1600 deg C

**SECTION VI - HEALTH HAZARDS/RISQUE DE LA SANTÉ**

**ROUTE OF ENTRY/VOIE D'ADMINISTRATION** Skin contact and Ingestion

**EFFECT OF ACUTE EXPOSURE TO MATERIAL/EFFETS DE L'EXPOSITION AIGUË À LA MATIÈRE**

Moderately toxic LD50 (oral rat): 1000mg/kg

**EFFECT OF CHRONIC EXPOSURE TO MATERIAL/EFFETS DE L'EXPOSITION CHRONIQUE À LA MATIÈRE**

None known

**EXPOSURE LIMITS/LIMITES D'EXPOSITION**

TWAEV for nuisance particulates 10mg/m<sup>3</sup>

**SYNERGISTIC MATERIALS/MATIÈRE**

**SUNMERGIQUES** None

**IRRITANCY OF MATERIAL/PROPRIÉTÉ**

**IRRITANTE DE LA MATIÈRE**

Minor irritant

**SENSITIVITY OF MATERIAL/**

**SENSIBILISATION À LA MATIÈRE**

does not occur

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**SECTION VI - HEALTH HAZARDS/RISQUE DE LA SANTÉ**

**CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY/  
CANCÉROGÉNÉCITÉ, EFFETS NOCIFS SUR LA REPRODUCTION, TÉRATOGÉNÉCITÉ,  
MUTAGÉNÉCITÉ**

**SECTION VII - PREVENTATIVE MEASURES/MESURES PRÉVENTIVES**

**PERSONAL PROTECTIVE**

**EQUIPMENT/**

**MATÉRIEL PERSONNEL DE**

**PROTECTION**

**GLOVES/**

**GANTS**

rubber gloves, if

desired

**EYE/**

**YEUX**

Safety

goggles, no

contact lenses

**RESPIRATORY/**

**APPAREIL**

**RESPIRATOIRE**

for dusty or misty conditions,

wear NIOSH approved dust

or mist respirator

**OTHER**

Long sleeved

shirt, rubber

boots

**ENGINEERING CONTROLS/MÉCANISMES TECHNIQUES (EG VENTILATION/VENTELATION,**

**SPECIFY/PRÉCISER** Mechanical ventilation recommended in enclosed areas

**LEAK AND SPILL PROCEDURE/MESURES EN CAS DE FLUITE OU DE DÉVERSEMENT**

Shovel up dry chemical and place in metal drum with cover

**WASTE DISPOSAL/ÉLIMINATION DES RÉSIDUS**

Dispose of material in government approved landfill site in accordance with local laws

**HANDLING PROCEDURES & EQUIPMENTS/MÉTHODES ET ÉQUIPMENT POUR LA MANUTENTION**

Wash skin and equipment with water

**STORAGE REQUIREMENTS/EXIGENCES D'ENTREPOSAGE**

Store in cool dry area.

**SPECIAL SHIPPING INFORMATION/RENSEIGNEMENTS SPÉCIAUX POUR LA EXPÉDITION**

no special shipping procedures necessary

**SECTION VIII - FIRST AID MEASURES/PREMIERS SOINS**

**INHALATION:** Remove victim to fresh air

**INGESTION:** Give 2-4 glasses of water, induce vomiting. Seek medical attention immediately

**EYE CONTACT/CONTACT YEUX:** Immediately flush eyes with water for 15 minutes, seek medical attention

**SKIN CONTACT/CONTACT PEAU:** Remove from skin by wiping and washing thoroughly with water

**SECTION IX - PREPARATION DATE OF MSDS/FICHE SIGNALÉTIQUE**

**PREPARED BY/PRÉPARÉ PAR**

Brodi Specialty Products Ltd.

**TELEPHONE #/**

**N/ de TÉLÉPHONE**

(905) 475-6084

**PREP. DATE**

12/01/11

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