



## MATERIAL SAFETY DATA SHEET

### I - IDENTIFICATION AND USE

PRODUCT NAME: THERMO ICE MELTER CHIPS

PRODUCT USE: DE-ICER

MANUFACTURER: ECO-CHOICE INDUSTRIES INC.  
5-25 Planchet Road  
Concord, ON L4K 2C5

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### II - HAZARDOUS INGREDIENTS OF PRODUCT

<u>CHEMICAL IDENTITY</u>	<u>CAS,US,NA,NO</u>	<u>%</u>	<u>LD50/LC50</u>
CaC122h2	10035-04-8	60-100	NOT APPL.
STRONTIUM CHLORIDE	10476-85-4	1-2	NOT APPL.

### III - PHYSICAL DATA FOR PRODUCT

PHYSICAL STATE: SOLID

ODOUR & APPEARANCE: SMALL WHITE FLAKES, VERY HYGROSCOPIC, ODOURLESS

pH: NEUTRAL TO SLIGHTLY ALKALINE

% VOLATILE (BY VOLUME): N/A

SPECIFIC GRAVITY: 1.85 @ 25 C

SOLUBILITY IN WATER(20oC): 97.7 g/100ml @ 0 C

FREEZING POINT (oC): 176 C

BOILING POINT (oC): N/A

VAPOUR DENSITY (AIR-1): N/A

EVAPORATION RATE: SLOW (0.3 - 3.0)

VAPOUR PRESSURE (MM):

ODOUR THRESHOLD (PPM): ODOURLESS

COVERAGE: 2 – 4 OZ. PER SQ. YARD

### IV - FIRE AND EXPLOSION HAZARD

FLAMMABILITY: NO

MEANS OF EXTINCTION: USE APPROPRIATE MEDIA FOR SURROUNDING FIRE

FLASHPOINT & METHOD:

UPPER FLAMMABLE (% BY VOLUME): N/A

LOWER FLAMMABLE (% BY VOLUME): N/A

AUTOIGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: NONE

### V - REACTIVITY DATA

CHEMICAL STABILITY: YES

INCOMPATIBILITY MATERIALS: REACTS VIOLENTLY WITH BROMINE TRIFLUORIDE OR A MIXTURE OF BORON TRIOXIDE & CALCIUM OXIDE. AVOID: WATER REACTIVE MATERIALS I.E. SODIUM; ZINC AS IN GALVANIZED IRON & SULPHURIC ACID.

DECOMPOSITION PRODUCTS: FUMES OF CHLORIDE ARE GIVEN OFF AT TEMPS ABOVE 1600 C

## VI - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN CONTACT: YES  
EYE CONTACT: YES  
INGESTION: YES  
INHALATION YES

### EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

DUST OR MIST INHALATION CAN CAUSE IRRITATION OF THE NOSE, THROAT & LUNGS. MAY CAUSE NOSE BLEEDS. MAY CAUSE IRRITATION TO SKIN & EYES. PROLONGED CONTACT WHEN MOISTURE IS PRESENT MAY RESULT IN SUPERFICIAL BURNS. IF INGESTED MAY CAUSE NAUSEA & VOMITING.

### EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:

## VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: CHEMICAL SAFETY GOGGLES OR SAFETY GLASSES. IMPERVIOUS GLOVES WHEN USING SOLUTIONS. APPROVED NIOSH DUST OR MIST RESPIRATOR FOR DUSTY OR MISTY CONDITIONS.

LEAK AND SPILL PROCEDURE: SHOVEL UP DRY CHEMICAL & PLACE IN METAL DRUM WITH COVER. SPRAY RESIDUE WITH PLENTY OF WATER. KEEP FROM ENTERING SEWERS.

WASTE DISPOSAL: IN ACCORDANCE WITH FEDERAL & LOCAL LAWS

STORAGE REQUIREMENTS: STORE IN A COOL DRY AREA.

SPECIAL SHIPPING INFORMATION:

## VIII - FIRST AID MEASURES

EYE: FLUSH WITH PLENTY OF WATER

SKIN: WASH WITH SOAP & WATER

INGESTION: INDUCE VOMITING, GIVE 2-4 GLASSES OF WATER & GET MEDICAL ATTENTION

INHALATION: REMOVE TO FRESH AIR.

**PREPARED BY: ECO-CHOICE INDUSTRIES LAB GROUP**

DATE: MAY 2014

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