ICE MELT

ENVIROSAFE’S FREEZE CONDITIONING AGENT AND LIQUID ICE MELT

INTRODUCTION

A new generation, low-corrosion liquid deicer is here- Envirosafe Freeze Conditioning Agent & Liquid Ice Melt is potassium acetate based and contains no-chlorides, therefore it is safer for structural steel and reinforcing steel embedded in concrete, and because it's an acetate Envirosafe Freeze Conditioning Agent & Liquid Ice Melt readily biodegrades with little environmental impact and with Envirosafe Freeze Conditioning Agent & Liquid Ice Melt there is no performance penalty, it is used at temperatures of -26°C (-15°F) and below.

CONSIDER THE SEVEN ADVANTAGES OF CHLORIDE-FREE ENVIROSAFE FREEZE CONDITIONING AGENT & LIQUID ICE MELT.

- Low- Corrosion-contains no chlorides
- High Performance-effective to -26°C (-15°F) and below
- Safe for the environment-non-persistent and biodegradable
- Dual purpose- for pre-wetting solids or direct application
- Safe to use-low toxicity to humans and aquatic organisms
- Easy to handle- a clear liquid, no agitation required
- Last longer-requires fewer application
ENVIROSAFE CHEMICALS CANADA

MATERIAL SAFETY DATA SHEET

SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Envirosafe Liquid Ice Melt  PRODUCT IDENTIFICATION NUMBER (PIN) ESLD
PRODUCT USE: Freeze conditioning agent (Biodegradable-contains no chlorides)
MANUFACTURER'S NAME: Envirosafe Chemicals Canada
ADDRESS: PO Box 1792 - 10011 Thatcher Avenue

SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS  %  CAS NUMBER  LD50 OF INGREDIENT  LC OF INGREDIENT
(SPECIFY SPECIES AND ROUTE)  (SPECIFY SPECIES)  TLV(ACGIH)
Potassium Acetate  50%  127082  NDA  NDA
Corrosion Inhibitors  <10%
In water  50%  7732185  NDA  NDA
BIODEGRADABLE-CONTAINS NO CHLORIDES

SECTION 3-PHYSICAL DATA

PHYSICAL STATE: Liquid  ODOR AND APPEARANCE: blue  ODOR THRESHOLD (PPM): NDA
VAPOUR PRESSURE: No data available  VAPOUR DENSITY: no data  EVAPORATION RATE: NDA
BOILING POINT: (°C)/°F 100°C  FREEZING POINT: (°C): 26°C(-15°F)  pH: NDA
SPECIFIC GRAVITY: 1.275@20°C  COEFF. WATER/OIL DIST.: NDA

SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: Non-flammable  IF YES UNDER WHICH CONDITION? NDA
MEANS OF EXTINCTION: This material normally
Will not burn.  Material is non-flammable
FLASHPOINT (°C) AND METHOD: °F NDA
UPPER FLAMMABLE LIMIT (% BY VOLUME) °C: NDA  LOWER FLAMMABLE LIMIT (% BY VOLUME) °C:NDA
AUTOIGNITION TEMPERATURE (°C): NDA  HAZARDOUS COMBUSTION PRODUCTS: Normal
EXPLOSION DATA SENSITIVITY TO IMPACT: NDA  SENSITIVITY TO STATIC DISCHARGE: NDA

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Stable
IF NO, UNDER WHICH CONDITION?
INCOMPATIBILITY WITH OTHER SUBSTANCES: May react with strong acids or strong oxidizing agents
REACTIVITY, AND UNDER WHAT CONDITIONS: NDA
HAZARDOUS DECOMPOSITION PRODUCTS: on known, polymerisation will not occur
NDA-no data available
PRODUCT IDENTIFICATION: Envirosafe Liquid Ice Melt

SECTION 6-TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN: SKIN ABSORPTION: EYE CONTACT: x INHALATION: INGESTION:
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: May cause eye irritation. This substance is not expected to cause skin irritation.
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: This product is slightly irritating to the eyes. May cause blurred vision.
EXPOSURE LIMITS: NDA IRRITANCY OF PRODUCT: Not expected to cause prolonged skin irritancy
SENSITIZATION OF PRODUCT: This material does not present an inhalation hazards.
CARCINOGENICITY: Non-carcinogenic
TERATOGENICITY: NDA REPRODUCTIVE TOXICITY: NDA
MUTAGENICITY: NDA SYNERGISTIC PRODUCTS: NDA

SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Not required
GLOVES: PVC gloves RESPIRATOR: No special respirator Protection EYE: Chemical goggles
FOOTWEAR: Normal footwear CLOTHING: Normal clothing OTHER: NDA
ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): No special ventilation is necessary.
LEAK AND SPILL PRODUCE: This material is not expected to be toxic to aquatic organisms. This material is not expected to present any environmental problem. Biodegradable.
WASTE DISPOSAL: May be disposed of in sanitary landfill unless state or local regulation prohibit such disposal.
HANDLING PROCEDURES AND EQUIPMENT: Normal handling procedures
STORAGE REQUIREMENTS: This substance is considered non-toxic
SPECIAL SHIPPING INFORMATION: This substance is non-regulated. Is not controlled WHMIS product.

SECTION 8-FIRST AID MEASURES

EYE: Flush eyes immediately with water for at least 15 minutes while holding eyelids open. If irritation persists see a doctor
SKIN: Wash with soap and water
INHALATION: No first aid procedures are required
INGESTION: Give milk or water to drink, telephone for medical advice. Do not induce vomiting.

SECTION 9-PREPARE DATE OF MSDS

PREPARED BY: ENVIROSAFE TECHNICAL DEPT. PHONE NUMBER: 306-446-0505
WHILE THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE LISTED, ENVIROSAFE CHEMICALS CANADA MAKES NO WARRANTY WITH RESPECT THERE TO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.
ICE MELT AEROSOL

SPRAY ON SNOW & ICE INSTANT MELT

ENVIROSAFE’S FREEZE CONDITIONING AGENT AND LIQUID ICE MELT

INTRODUCTION

A new generation, low-corrosion liquid deicer is here- Envirosafe Freeze Conditioning Agent & Liquid Ice Melt is potassium acetate based and contains no-chlorides, therefore it is safer for structural steel and reinforcing steel embedded in concrete, and because it’s an acetate Envirosafe Freeze Conditioning Agent & Liquid Ice Melt readily biodegrades with little environmental impact and with Envirosafe Freeze Conditioning Agent & Liquid Ice Melt there is no performance penalty, it is used at temperatures of -26°C (-15°F) and below.

CONSIDER THE SEVEN ADVANTAGES OF CHLOREDE-FREE ENVIROSAFE FREEZE CONDITIONING AGENT & LIQUID ICE MELT.

- Low- Corrosion-contains no chlorides
- High Performance-effective to -26°C (-15°F) and below
- Safe for the environment-non-persistent and biodegradable
- Dual purpose- for pre-wetting solids or direct application
- Safe to use-low toxicity to humans and aquatic organisms
- Easy to handle- a clear liquid, no agitation required
- Last longer-requires fewer application

*WALKWAYS * CONVEYORS * ROAD SIGNS * WINDSHIELDS * TRUCK SCALES * RAIL SWITCHES * MANHOLE COVERS * NON-POREOUS ROOFS * RAIL * TRUCKBEDS * TOILET ANTI-FREEZE

* NON-TOXIC * NON-HAZARDOUS * BIODEGRADABLE * NO HARMFUL ACIDS * NO HARMFUL CAUSTICS * SAFE ON PLUMBING * SAFE ON RUBBER & PAINT
SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Liquid Ice Melt Aerosol
PRODUCT IDENTIFICATION NUMBER (PIN) ESLD
PRODUCT USE: Potassium Acetate based pressurized blend Ice Melt Carbon dioxide in Aerosol
Manufacturers Name: Envirosafe Chemicals Canada
Address: PO Box 1792 – 10011 Thatcher Avenue
City: North Battleford Province: SK Postal Code: S9A 3W8 Tel: 306-446-0505

SECTION 2-HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
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<td>Corrosion Inhibitors</td>
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<td>NDA</td>
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</tr>
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<td>In water</td>
<td>50%</td>
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<td>NDA</td>
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</tr>
</tbody>
</table>

BIODEGRADABLE-CONTAINS NO CHLORIDES

SECTION 3-PHYSICAL DATA

PHYSICAL STATE: Liquid
ODOUR AND APPEARANCE: blue
ODOUR THRESHOLD (PPM): NDA

VAPOUR PRESSURE: No data available
VAPOUR DENSITY: no data
EVAPORATION RATE: (AIR=1) available

BOILING POINT (? C) 100°C
FREEZING POINT (?): 26C(-15°F)
pH: NDA

SPECIFIC GRAVITY: 1.275@20°C
COEFF. WATER/OIL DIST.: NDA

SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: Non-flammable
IF YES UNDER WHICH CONDITION? NDA

MEANS OF EXTINCTION: This material normally
Will not burn. Material is non-flammable
FLASHPOINT (? C) AND METHOD: ?° F NDA

UPPER FLAMMABLE LIMIT (% BY VOLUME): NDA
LOWER FLAMMABLE LIMIT (% BY VOLUME): NDA

AUTOIGNITION TEMPERATURE (? C): NDA
HAZARDOUS COMBUSTION PRODUCTS: Normal combustion
Forms carbon dioxide and water vapour

EXPLOSION DATA SENSITIVITY TO IMPACT:
Contents under pressure, exposure to temperature above 50°C
SENSITIVITY TO STATIC DISCHARGE: NDA
May cause the container to explode

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Stable

IF NO UNDER WHICH CONDITION?

INCOMPATIBILITY WITH OTHER SUBSTANCES: May react with strong acids or strong oxidizing agents

REACTIVITY, AND UNDER WHAT CONDITIONS: NDA
HAZARDOUS DECOMPOSITION PRODUCTS: Non known, polymerization will not occur
NDA-no data available

ENVIROSAFE CHEMICALS CANADA

PRODUCT IDENTIFICATION: Liquid Ice Melt Aerosol

SECTION 6-TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN: SKIN ABSORPTION: EYE CONTACT: x INHALATION: INGESTION:

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: May cause eye irritation. This substance is not expected to cause skin irritation

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: This product is slightly irritating to the eyes. May cause blurred vision

EXPOSURE LIMITS: NDA IRRITANCY OF PRODUCT: Not expected to cause prolonged skin irritancy

SENSITIZATION OF PRODUCT: This material does not present an inhalation hazard

CARCINOGENICITY: Non carcinogenic

TERATOGENICITY: NDA REPRODUCTIVE TOXICITY: NDA

MUTAGENICITY: NDA SYNERGISTIC PRODUCTS: None Known

SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Not required

GLOVES: PVC gloves RESPIRATOR: No special respirator EYE: Chemical goggles
Protection is normally required

FOOTWEAR: Normal footwear CLOTHING: Normal clothing OTHER: NDA

ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): No special ventilation is necessary

LEAK AND SPILL PRODUCE: This material is not expected to be toxic to aquatic organisms. This material is not expected to present any environmental problem. Biodegradable

WASTE DISPOSAL: May be disposed of in sanitary landfill unless state or local regulation prohibit such disposal

HANDLING PROCEDURES AND EQUIPMENT: Normal handling procedures. Do not puncture or incinerate can.

STORAGE REQUIREMENTS: This substance is considered non-toxic. Store in cool, dry, well-ventilated area.

SPECIAL SHIPPING INFORMATION: This substance is non-regulated. Is not a controlled WHMIS product? Label as “Consumer Commodity”

SECTION 8-FIRST AID MEASURES

EYE: Flush eyes immediately with water for at least 15 minutes while holding eyelids open. If irritation persists see a doctor
SKIN: Wash with soap and water
INHALATION: No first aid procedures are required
INGESTION: Give milk or water to drink, telephone for medical advice. Do not induce vomiting.

SECTION 9-PREPARATION DATE OF MSDS

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