

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 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

TECHNICAL DATA SHEET

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
CITY: North Battleford PROVINCE: SK POSTAL CODE: S9A 3W8 TEL: 306-446-0505

SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC OF INGREDIENT (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 ODOUR AND APPEARANCE: blue ODOUR THRESHOLD (PPM): NDA
VAPOUR PRESSURE: No data available VAPOUR DENSITY: no data EVAPORATION RATE: NDA
(mm Hg) (AIR=1) available
BOILING POINT: (°C)/°F 100°C FREEZING POINT: (°C): 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 FLASHPOINT (°C) AND METHOD: °F NDA
Will not burn. Material is non-flammable
UPPER FLAMMABLE LIMIT (% BY VOLUME) °C: NDA LOWER FLAMMABLE LIMIT (% BY VOLUME) °C: NDA
AUTOIGNITION TEMPERATURE (°C): NDA HAZARDOUS COMBUSTION PRODUCTS: Normal
Combustion forms carbon dioxide and water vapour
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

TECHNICAL DATA SHEET

ENVIROSAFE CHEMICALS CANADA

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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
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

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-PREPARATION 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 THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE HEREON.

NEW

ICE MELT AEROSOL

SPRAY ON SNOW & ICE INSTANT MELT

***ENVIROSAFE'S FREEZE CONDITIONING AGENT
AND LIQUID ICE MELT***

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- 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
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- Last longer-requires fewer application

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

*** NON-TOXIC * NON-HAZARDOUS * BIODEGRADABLE * NO HARMFUL ACIDS * NO HARMFUL
CAUSTICS * SAFE ON PLUMBING * SAFE ON RUBBER & PAINT**

TECHNICAL DATA SHEET

ENVIROSAFE CHEMICALS CANADA MATERIAL SAFETY DATA SHEET

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

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES)	LC OF INGREDIENT 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 ODOUR AND APPEARANCE: blue ODOUR THRESHOLD
(PPM): NDA

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

BOILING POINT (°C)/°F 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 FLASHPOINT (°C) AND METHOD: °F NDA
Will not burn. Material is non-flammable

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

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

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

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE October 04, 2007

ENVIROSAFE CHEMICALS CANADA
PO Box 1792 -10011 Thatcher Avenue North Battleford SK S9A 3W8
Ph (306) 446-0505 Fax (306) 446-0515 SITE: www.envirosafechem.com E-MAIL: info@envirosafechem.com

TECHNICAL DATA SHEET

HAZARDOUS DECOMPOSITION PRODUCTS: Non known, polymerization will not occur

NDA-no data available

ENVIROSAFE CHEMICALS CANADA

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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 hazards

CARCINOGENICITY: Non carcinogenic

TERATOGENICITY: NDA

REPRODUCTIVE TOXICITY: NDA

MUTAGENICITY: NDA

SYNERGISTIC PRODUCTS: None Known

NDA

SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Not required

GLOVES: PVC gloves

RESPIRATOR: No special respirator
Protection is normally required

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. 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

PREPARED BY ENVIROSAFE CHEMICALS CANADA TECHNICAL DEPT.

PHONE NUMBER 306-446-0505

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PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE October 04, 2007

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