

Future Transfer Co. Inc.
55187 Talbot Line
Aylmer, ON
N5H 2R3

In Case of Emergency, Call

519-494-3446

Date of MSDS Preparation (mm/dd/yyyy)
07/16/2007

Superseded date (mm/dd/yyyy)
Original

MSDS Prepared By:
D Murray

For further information contact:
519-866-3446

Section 1 : Product Identification

Product Identifier: FUSION
Registration No.: Not Applicable
Chemical Class: De-icing solution
Synonym:

Active Ingredient (%) Degraded Sugar Beet Extract

CAS NO.: NA

Chemical Name:
Product Use:
Road De-icer

Section 2 : Composition/Information on Ingredients

Material	OSHA PEL	ACGIH TLV	Other	NTP/IARC/OSHA Carcinogen	WHMIS
Water	None	None		No	NA
Sugar Beet Extract	None	None		No	NA

Section 3 : Hazards Identification

Symptoms of Acute Exposure: Generally not hazardous in normal circumstances. However, good practices should always be followed. Avoid excessive exposure to skin and eyes.

Hazardous Decomposition Products: None known

Physical Properties: Dark amber liquid with strong coffee odour.

Unusual Fire, Explosion, & Reactivity Hazards: None

Potential Health Effects:

May cause mild irritation of the eyes with prolonged exposure. May cause irritation to exposed skin. May cause irritation to the respiratory tract.

Section 4 : First Aid Measures

Eye Contact: Wash eyes with plenty of water for 15 minutes, lifting eyelids occasionally. Seek medical assistance if irritation develops and persists.

Skin Contact: Wash exposed area with soap and water. If any irritation persists, seek medical attention.

Inhalation: Remove to fresh air.

Ingestion: Give 3-4 glasses of water. If vomiting occurs, give fluids again. Get medical attention as evacuation of the stomach may be required.

Note to Physician:**Medical Conditions Known To Be Aggravated:**

Large amounts could aggravate Cardiovascular conditions

Section 5 : Fire Fighting Measures

Flash point & method: NA

Upper & lower flammable (explosive) limits in air: NA

Auto ignition temperature: NA

Hazardous combustion products: None

Conditions under which flammibility could occur: None

Extinguishing media: This product does not burn until water content has evaporated. Use extinguishing media most appropriate for the surrounding fire.

Sensitivity to explosion by mechanical impact: None

Sensitivity to explosion by static discharge: None

Section 6 : Accidental Release Measures

Personal Precautions:

Avoid exposure to eyes and skin. Wear safety glasses or chemical goggles depending on risk of splashing the product into the eyes. Avoid skin exposure with gloves and clean body-covering clothing. Where there is a likelihood of product mist, the use of a NIOSH approved respirator is recommended.

Procedures for dealing with release or spill:

Wear appropriate protective equipment. Mop up or wet-vac any spill for use as ice-melt. Dispose of any waste as required by local by-laws and Provincial Regulations.

Section 7: Handling & Storage

Handling Practices:

Avoid unnecessary exposures, especially to the eyes. Wear eye protection and wash exposed skin after handling the product. General ventilation is usually adequate for the handling of this product.

Appropriate storage practices/requirements:

Store product in closed containers. Do not allow to freeze. Frozen product will expand and may cause damage to containers and/or pipe lines. Do not store with strong acids or bases.

National Fire Code classification:

NONE

Section 8 : Exposure Control/Personal Protection

Applicable control measures, including engineering controls:

Generally, this is not hazardous material. Good hygiene practices, general ventilation and appropriate eye protection is adequate for most handling situations.

Personal protective equipment for each exposure route:

General:

Ingestion:	Use a face shield if pressurized splashes to the face are possible.
Eyes:	Glasses with sideshields or chemical goggles as appropriate to the handling circumstances.
Skin:	Rubber or neoprene gloves and clean body-covering clothing.
Inhalation:	None normally required. If mist possible, a NIOSH approved respirator should be worn.

Section 9 : Physical & Chemical Properties

Appearance:	Dark amber liquid	Vapour Denisty:	NA
Formulation Type:		Boiling point:	~ 100° C
Odour:	Coffee odour	Melting point:	
pH:	8-9	Freezing Point:	-38.9° C
Vapour pressure and reference temp.:	NA	Specific gravity or density:	~1.27
Evaporation Rate:	1 (Water=1)	Viscosity:	38 centipoise
Odour threshold:	None	Solubility in Water:	Infinite

Section 10 : Stability & Reactivity

Chemical stability:	STABLE
Conditions to avoid:	None Known
Incompatibility with other materials:	Avoid strong acids or bases as heat will be generated. Boiling or spattering can occur.
Hazardous decomposition products:	None Known
Hazardous polymerization:	Could occur with addition of strong acids or bases generating extreme heat.

Section 11 : Toxicological Information

Acute toxicity/Irritation Studies (Finished Product)

Ingestion:	Not considered to be toxic.
Dermal:	Absorption can occur but it is not a likely route.
Inhalation:	May cause mild irritation of the respiratory tract.
Eye Contact:	May cause mild irritation.
Skin Contact:	May cause mild irritation in damaged skin.
Skin Sensitization:	None
Reproductive/Development Effects:	None of the ingredients of this product have been reported to cause birth defects.
Carcinogenicity:	Not listed by IARC, NTP, OSHA, NIOSH or California
Other Toxicity Information:	
Target Organs:	The cardiovascular system, gastrointestinal tract, eyes and skin. Extreme exposures could aggravate existing cardiovascular conditions.

Section 12 : Ecological Information

Summary of Effects:

There is no specific information available. Release of the product into the environment other than for approved uses should be avoided.

Eco-Acute Toxicity:

No specific information

Eco-Chronic Toxicity:

No specific information

Enviromental Fate:

No specific information

Section 13 : Disposal Considerations

Waste Disposal Information:

Spilled material should be collected whenever possible for use as an ice-melt. When this is not practical, absorb the material and shovel into containers. Label and dispose of the collected material according to Provincial Regulations.

Section 14 : Transport information

Shipping information such as shipping classification:

This product is not regulated for shipping in North America.

Proper Shipping Name:

NONE

Section 15 : Regulatory Information

WHMIS Classification for product:

This product is not a controlled material.

Canadian DSL

The ingredients in this product are on the Domestic Substance List.

Section 16 : Other Information