

Eco Ice Melt

MATERIAL SAFETY DATA SHEET

1. Identification, Supplier and Contact Numbers

Product name : Eco ice melt
Product type : De-icer/Anti-icer/Anti-corrosion
Supplier : Cropcare
Contact number for technical information : 003531 2874485

2. Composition and Process

Eco ice melt is produced by mixing sodium chloride with evaporated co-products from the sugar, starch, cereal carbohydrate processing and distillation industries

3. Appearance and Smell

Dark brown granule with non-pungent smell

4. Hazards Identification

- Inhalation : Not applicable
- Skin contact : None under normal ambient conditions
- Eye contact : None under normal conditions
- Ingestion : None under normal conditions

5. First Aid Measures

- Skin: : May cause slight irritation, wash area with soap and water
- Eyes: : May cause irritation, flood eyes with water

6. Accidental Release Measures

Personal precautions : None under normal conditions.
Environmental precautions : Biodegradable, increases BOD and COD – see 13.
After spillage/leakage : Contain spills with sand and shovel into appropriate container for disposal. Hose down (slippery when wet) into normal sewage serviced by wastewater plant. Prevent direct discharge into watercourses or lakes due to medium/high BOD.

7. Storage Conditions

Non or anti-corrosive : Store in dry area. Avoid microbiological contamination or dilution with water.

8. Transport Considerations

Not considered hazardous or dangerous for conveyance.

9. Exposure controls/personal protection

Personal protection : None under normal conditions
- Respiratory protection : Not applicable
- Eye protection : Safety glasses may be desirable when emptying containers or drums.
- Hand protection : Not required, rubber gloves advised

10. Physical and chemical properties

Physical state at 25°C : Fine Granule
Colour : Very dark brown
Odour : Earthy, non pungent
Initial boiling point (°C) : >100
Freezing point (°C) : < minus 30
Density at 25 °C (kg/m³) : About 1275, S.G.= 1.275
Vapour pressure (hPa) : Not applicable
Viscosity (cps) at 20 °C : About 30
Solubility in water (% weight) : Forms infinite aqueous solution
pH value as is : About 7-8
Flash point (°C) : Not applicable
Auto-ignition temperature (°C) : Not applicable
Explosion limits (lower) (kg/ m³) : Not applicable
Thermal decomposition (°C) : Begins about 100

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11. Stability and reactivity

Hazardous decomposition products : Burning can produce CO₂ and water, N compounds
Materials to avoid : Strong acids and alkalis, oxidising agents

12. Microbiological stability

: Stable unless diluted with >5% water when yeast, mould and some harmless bacterial (e.g. Lactobacillus spp.) growth may occur in warm temperatures. Pathogens will not grow, indeed are killed

13. Toxicological information

Acute toxicity : None, non toxic
Chronic toxicity : None

14. Ecological information

No significant environmental hazard or adverse effect from human or animal exposure resulting from accidental release of this material is anticipated. Its components are used in food and feed and there is no LD₅₀.

- COD (mgO₂/g) : About 350
- BOD (mgO₂/g) : About 335 (the Environment Agency)

15. Disposal considerations

Disposal : See Section 6

16. Transport information

Not applicable

17. Regulatory information

Symbol(s) : None
R and or S phrases : None

18. Other information

Recommended uses : As an Anti-icer, De-icer and Anti corrosion liquid

The contents and format of this MSDS are in accordance with EC Commission Directive 91/155/EC, as amended by Directive 93/112/EC.

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