

BRINE SOLUTIONS LTD

Material Safety Data Sheet

According to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

MATERIAL SAFETY DATA SHEET				
1. Identification of Preparation/Company				
	Trade Name Chemical	ECO-THAW Structures Non Corrosive		
		n/a		
		n/a		
		Brine Solutions Ltd		
		Greys Green Business Centre		
		Rotherfield Greys		
		Henley on Thames		
		Oxfordshire		
		RG9 4QG		
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2. Composition				
	Component	Composition	CAS No	Classification
	All-natural liquid de-icing product	Blended Ecothaw concentrate solution. natural organic byproduct. (bonding agent, Brine @23%, magnesium chloride, Corrosion Inhibitor		
3. Hazards Identification				
	Health	According to experience this product is not harmful to health		
	Environment			
4. First Aid Measures				

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General Information	Remove all contaminated clothing immediately, to be disposed of or washed before reuse.
Inhalation	No special measures necessary.
Skin Contact	No special measures necessary.
Eye Contact	Rinse immediately with plenty of water, until irritation subsides.

Ingestion	No special measures necessary.
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5. Fire Fighting Measures

Extinguishing media	To suit local surroundings, (eg: <i>water, carbon dioxide, foam, chemical powder</i>).
Special Exposure Hazard	Decomposition products released in a fire should be considered as harmful.
Personal Protective Equipment	Decomposition products released in a fire should be considered as harmful.

6. Accidental Release/Measures

Large Spillage	Dam and take up with absorbent material, <i>e.g.: sand, sawdust</i> and dispose of as prescribed.
Small Spillage	Rinse away with plenty of water observing environmental requirements. Do not allow to get into waste or waterways; if this occurs, inform the relevant authority at once.

7. Handling and Storage

Advice on safe handling	Handle in accordance with good hygiene and safe practice.
Advice on protection against fire	The product is non-flammable, but may degrade if heated above 60°C.
Storage Conditions	Store in drums at ambient temperature.

8. Exposure Limits/Personal Protective Equipment

Exposure limits	There are no occupational exposure limits available. However, for tank entry, adhere to procedures for working in confined spaces.
Engineering Control	Ensure adequate ventilation of the working area.
Personal Protection	Observe normal safety standards for handling chemicals. Wear PPE appropriate for the task <i>e.g.: gloves, safety goggles, appropriate overalls</i> .

9. Chemicals and Physical Properties

Specific Gravity	1.22
Auto Ignition Temp	n/a
Vapour Pressure	n/a
Relative Density	n/a
Boiling Point	n/a
Melting Range	Below -30
Flammability	n/a
Flash Point	n/a

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pH	5.45
Solubility	Miscible in water.
Description	Brown, light viscous liquid.
10. Stability and Reactivity	
Stability	The product is stable
Thermal Decomposition	>60°C.
Materials to Avoid	The product is not compatible with strong acids.
Conditions to Avoid	Avoid strong direct heat.
Hazardous Decomposition Products	n/a
11. Toxicology Information	
Acute Toxicity	No acute toxicological data are available.
	LD50 rat (oral): n/a
	LD50 rat (dermal): n/a
Dermal compatibility	n/a
Mucous membrane compatibility	n/a
Further Information	The product is all-natural and is considered to be nonhazardous. May cause sensitization on skin contact
12 Ecological Information	
Ecotoxicology	No data is available
Further Information	The product has a high biochemical oxygen demand.
13 Spillage and Disposal	
Advice on disposal	In accordance with national and local authority regulations e.g.: <i>as household waste, incineration or after contacting the supplier.</i>
14. Transport Information	
United Nations Number	Not classified.
Packing Group	Not classified.
IMDG Group	Not classified.
ADR/RID	Not classified.
Marine Pollutant	Not marked as a marine pollutant.
Proper shipping name	ECO-THAW Structures
15. Applicable Legislation	

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Labelling Information	Eco-Thaw Structures Non Corrosive
Risk phrases	none
Safety phrases	none
In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 97) the product is not classified.	
UK Regulatory References	
The Control of Substances Hazardous to Health (COSHH) Regulations 1994.	
Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 97).	
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