

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

TRADE NAME: FreezeSorb® Solution

MANUFACTURE: Sonoco ThermoSafe (Trading as Laminar Medica Ltd)
Unit 4 & 14, Tring Industrial Estate
Tring, Hertfordshire.
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Description: Blend of inorganic salts, nucleating agents and micro biocides.

Hazardous ingredients:

Chemical	CAS No.	EINECS No.	Supply Class
None	N/A	N/A	N/A

3. HAZARDS IDENTIFICATION

Not hazardous under normal conditions.

4. FIRST AID MEASURES

Contact with eyes: Irrigate thoroughly with water for at least 10 minutes, keeping eyes open.

Contact with skin: Wash affected parts thoroughly with water.

Inhalation: Expose to fresh air.

Swallowing: Wash out mouth cavity and give 2-4 cupfuls of water or milk to drink.
Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: Use extinguisher suitable to cause of fire.

Dangerous combustion products: Thermal decomposition will evolve hydrogen chloride above 1400°C

Special safety equipment: Wear full protective clothing.

Special danger caused by the substance itself, or during its production; by its combustion products or the gases thus generated: See above

6. ACCIDENTAL RELEASE MEASURES

Personal protective measures:	Avoid skin and eye contact with un-encapsulated material, remove contaminated clothing and wash down body thoroughly with water.
Cleaning methods:	Wash away smaller amounts thoroughly with large quantities of water. Contain larger volumes and dispose of safely.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Avoid ingestion. Do not eat or drink while working.
Storage:	Store in a cool, dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protective and Hygienic Measures:	Remove all soiled and contaminated clothing
Breathing Equipment:	None
Eye Protection:	None. Where spillages occur, protective goggles are recommended.
Hand Protection:	None. Where spillages occur, protective gloves are recommended.
Body Protection:	Observe the usual protection measures for handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Clear liquid containing un-dissolved material
Odour:	None
Boiling point:	100 °C
Melting point:	-22 °C
Density:	1.15 g/cm ³
Vapour pressure:	-
Viscosity at 20 °C:	1-5 cPs
Miscibility in water:	Complete
Flash point:	None
Ignition temperature:	N/A

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Materials to be avoided:	Concentrated mineral acids

11. TOXICOLOGICAL INFORMATION

LD₅₀ (oral, rat):	>15,000 mg/kg
Contact with eyes:	Mildly irritating to eyes
Contact with skin:	Repeated or prolonged contact may cause sensitisation
Inhalation:	Under normal conditions inhalation of vapour is not a hazard
Swallowing:	Large doses may cause nausea and vomiting
Mutagenicity:	No mutagenic effects observed
Carcinogenicity:	Not carcinogenic

12. ECOLOGICAL INFORMATION

Aquatic toxicity:	None expected to be connected with leaks and spills
Ultimate biodegradability:	Not expected to be readily biodegradable

13. DISPOSAL CONSIDERATIONS

Disposal:	Recover if possible. Otherwise dispose of in accordance with local or national regulations.
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14. TRANSPORTATION INFORMATION

UN No.:	None
IMDG Class:	None
IATA-DGR Class:	None
UN Packing Group:	None

15. REGULATIONS

Labelling according to EEC directives:

Contents:	None
Symbol:	None
R-Sets:	None
S-Sets:	None

16. FURTHER INFORMATION

We provide this information and data according to our present level of knowledge and experience. It is intended to describe the product from a safety point of view, not to guarantee any particular properties. No liability for damage incurred in connection with the use of this information or with the use, application, adaptation, or processing of the products here described will be accepted.