

MATERIAL SAFETY DATA SHEET - FREEZOL

1. Identification of product/substance and company

Product Identifier	Freezol
Trade name	
Chemical Description	
Registration No.	
Use	Anti-freeze concentrate for extinguishing preparations

2. Hazards Identification

Physical Health Hazards	Not considered hazardous
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3. Composition & Information on Ingredients

Chemical characterisation	Mixture of Glycols in water
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4. First Aid Measures

Contact with Skin	Wash off with water. Remove contaminated soaked clothing and rinse with water
Contact with Eyes	Flush eye with plenty of water for at least 10 minutes
Inhalation	Wash mouth with water. Seek medical advice should pain occur and persist

5. Fire Fighting Measures

Extinguishing media	Foam, powder, CO2
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6. Accidental Release Measures

Environmental Precautions	Absorb onto sand or other absorbent material. Product compatible with water treatment station
Collecting	Pump into clearly identified unbreakable containers
Cleaning	Wash thoroughly with water
Disposal	Evacuate to a water treatment facility

7. Handling & Storage

Handling	Standard equipment against chemicals
Storage	Storage area should contain accidental spill Sealed containers in normal cool warehouse Original packaging
Packaging material	Recommended: Polyethylene, Polypropylene, stainless steel Not advised: Mild steel, iron, aluminium Recommended sealing: Viton, Kevlar, Teflon

8. Personal Protection & Exposure Controls

Hand protection	Impermeable gloves (PVC) if continual handling
Eye protection	Goggles
Body protection	Do not eat, drink or smoke while handling the product. Clean hands after working with chemicals.

9. Physical & Chemical Properties

Physical form	Liquid
Colour / Odour	Blue / plastic smell
PH at 1% Vol. in water	7.0 +/- 1.0
Freezing point	< - 30°C
Boiling point	> + 190°C
Flash point	> + 103°C
Flammability/oxidising/explosive properties	None
Specific gravity at 20°C	1100 +/- 20 Kg / m3
Solubility	Completely soluble in water

10. Stability & Reactivity

Thermal decomposition	Stable under normal conditions of use and storage
Hazardous reactions	None expected in standard use

11. Toxicological Information

Acute toxicity	None to be expected
Local effects	Not irritant on eyes and skin [OECD 404/405]

12. Ecological Information

ENVIRONMENTAL BEHAVIOUR	
Biodegradation data (pure)	TOD = 761 g O2 / l [molar calculation] Probably readily biodegradable
Bio accumulative	Not expected according to our knowledge
ECOTOXICITY	
Aquatic life toxicity	Not expected to be toxic after dilution

13. Disposal Considerations

PRODUCT	
Prohibition	Do not discharge in the environment
Disposal	Small amounts of product do not interfere with water treatment facilities. Big quantities should be treated as chemical waste according to local regulations
PACKAGING	
Prohibition	Do not discharge in the environment
Cleaning	Rinse with plenty of water
Disposal	Incineration or an agreed method for package recycling

14. Transport Information

Road - RID/ADR	Non hazardous
Sea - OMI/IMDG	Non hazardous
Air - ICAO/IATA	Non hazardous

15. Labelling

CE regulations	Not classified
Hazard symbols	N/A
S indications	S20/21: When using do not eat, drink or smoke

16. Other Information

Rules of drafting	This Material Safety Data Sheet complies with ISO 11014-1. It is redacted in accordance to European directive 2001/58/EC
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