



1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME Recommended use MANUFACTURER ☛ Address ☛ Phone no. ☛ Fax no. ☛ E-mail	FREEZOL Anti freeze concentrate for extinguishing preparations 3FFF Unit C, Marconi Courtyard, Brunel Road, Earlstree ind est, Corby, Northants, NN17 4LT, UNITED KINGDOM +44(0)1536 202919 +44(0)1536 263641 enquiries@3ffuk.com
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation	Mixture of Glycols in water
Hazardous components	/

3. HAZARDS IDENTIFICATION

Health hazards	/
Physical and chemical hazards	Not flammable
Specific risks	This product is not classified hazardous under European directive 1999/45/EC

4. FIRST AID MEASURES

After skin contact	Wash off with water. Remove contaminated soaked clothing and rinse with water
After eye contact	Flush eye with plenty of water for at least 10 minutes
After swallowing	Wash mouth with water. Seek medical advice should pain occur and persist

5. FIRE FIGHTING MEASURES

Extinguishing media	Foam, powder, CO ₂
Protective equipment for fire fighters	Standard equipment against fires

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear gloves and goggles
Environmental protection	Absorb onto sand or other absorbent material. Product compatible with water treatment station
CLEANING MEASURES	
☛ Collecting	Pump into clearly identified unbreakable containers
☛ Cleaning	Wash thoroughly with water
☛ Disposal	Evacuate to a water treatment facility

7. HANDLING AND STORAGE

HANDLING: STORAGE: ☛ Technical measures ☛ Storage conditions ☛ Storage recommendations Packaging material: ☛ Recommended ☛ Not advised ☛ Recommended sealing	Standard equipment against chemicals Storage area should contain accidental spill Sealed containers in normal cool warehouse Original packaging Polyethylene, Polypropylene, stainless steel Mild steel, iron, aluminium Viton, Kevlar, Teflon
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8. EXPOSURE CONTROL AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT : ☛ Hand protection ☛ Eye protection ☛ Body protection HYGIENIC MEASURES:	Impermeable gloves (PVC) if continual handling Goggles Working clothes DO NOT eat, drink or smoke while handling the product. Clean hands after working with chemicals.
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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	
☛ 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 / m ³
☛ Solubility	Completely soluble in water

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL DATA

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

12. ECOLOGICAL DATA

ENVIRONMENTAL BEHAVIOUR:	
☛ Biodegradation data (pure)	TOD = 761 g O ₂ / 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 CONDITIONS

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

INTERNATIONAL REGULATIONS:	
☛ Road - RID/ADR	Non hazardous
☛ Sea - OMI/IMDG	Non hazardous
☛ Air - ICAO/IATA	Non hazardous

15. REGULATORY INFORMATION

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

16. OTHER INFORMATIONS

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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