



FREEZOL



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME Recommended use	FREEZOL Anti-freeze agent
MANUFACTURER Address	3FFF LIMITED 85B Brunel Road, Earlstree Industrial Estate, Corby, Northants, NN17 4JW, UNITED KINGDOM
Phone n°	+44(0)1536 202919 or EMERGENCY N°+44 (0)7801 850011
Fax n°	+44(0)1536 263641
E-mail	sales@3fff.co.uk

2. HAZARDS AND IDENTIFICATION

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

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Characteristics	Blend of glycols
Hazardous components	/

4. FIRST AID MEASURES

Skin contact	Wash off with water. Remove contaminated soaked clothing and rinse with water
Eye contact	Flush eye with plenty of water for at least 10 minutes maintaining open eyelids
Swallowing	Wash mouth with water. Seek medical advice
Inhalation	If there are any signs of nausea or sickness, seek medical advice

5. FIRE FIGHTING MEASURES

Extinguishing media	Foam AR, CO2
Specific risks	Does not present specific risk in the case of fire

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear impervious clothes, gloves and goggles
Environmental protection	Absorb onto sand or other absorbent material and shovel into container for disposal
CLEANING MEASURES	
• Collecting	Pump into clearly identified unbreakable containers
• Cleaning	Wash thoroughly with water
• Disposal	Incineration according to local regulations



No: FM 560021

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7. HANDLING AND STORAGE

HANDLING	Does not require specific technical equipment
STORAGE	
<ul style="list-style-type: none">• Technical measures• Storage conditions• Storage recommendations	Storage area should contain accidental spill Sealed containers in normal cool warehouse Product in bulk: stainless steel, polyester or mild steel protected with epoxy or polyurethane coating. Tanks in PE, PP
PACKAGING MATERIALS	
<ul style="list-style-type: none">• Recommended• Not advised• Recommended sealing	Polyethylene, Polypropylene, stainless steel Mild steel, iron, aluminium Viton, Kevlar, Teflon

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT	
<ul style="list-style-type: none">• Hand protection• Eye protection• Body protection	Impermeable gloves (PVC) if continual handling Goggles Working clothes
HYGIENIC MEASURES	Eye washing solution and washer eye cup DO NOT eat, drink or smoke while handling the product Clean hands after working with any chemical products

9. PHYSICAL AND CHEMICAL PROPERTIES

<ul style="list-style-type: none">• Physical form• Colour / Odour• pH at 20°C• Freezing point• Boiling point• Flammability / oxidising / explosive properties• Specific gravity at 20°C• Solubility	Liquid Green / plastic smell 7.0 +/- 1.0 < -30°C > +190°C None 1100 +/- 20 Kg/m ³ Completely soluble in water
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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	Not classified as toxic if swallowed
Local effects on the eye and skin	Not irritating to eyes and skin



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12. ECOLOGICAL DATA

ENVIRONMENTAL BEHAVIOUR <ul style="list-style-type: none">• Biodegradation data• Biodegradation rate• Bio accumulative ECOTOXICITY <ul style="list-style-type: none">• Aquatic life toxicity	TOD = 761 g O ₂ /l FREEZOL is expected to be readily biodegradable FREEZOL is free of persistent or bio accumulative components Not expected to be toxic after dilution
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13. DISPOSAL CONDITIONS

PRODUCT <ul style="list-style-type: none">• Prohibition• Disposal PACKAGING <ul style="list-style-type: none">• Prohibition• Cleaning• Disposal	Do not discharge in the environment Small amounts of product do not interfere with water treatment facilities If released in sewage system accidentally, it is recommended to control a slow flow rate in order to avoid any excess foaming Do not discharge in the environment Rinse with plenty of water Incineration or an agreed method for package recycling
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14. TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS <ul style="list-style-type: none">• Road - RID/ADR• Sea - OMI/MDG• Air - ICAO/IATA	Non hazardous Non hazardous Non hazardous
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15. REGULATORY INFORMATION

LABELLING <ul style="list-style-type: none">• CE regulations• Hazard symbol• S phrases	Not classified / S20/21: When using do not eat, drink or smoke
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16. OTHER INFORMATION

Rules of drafting R Phrases as mentioned in section 3	This Safety Data Sheet complies with European directive 1907/2006EC Article 31 /
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