



FREEZOL



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME Recommended use	FREEZOL Anti-Freeze Agent
MANUFACTURER Address	3FFF LIMITED Unit B, 18 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 IDENTIFICATION

CLASSIFICATION / REGULATION	EC 1272/2008 (CLP/GHS)
Physical Hazards	/
Health Hazards	/
Environment Hazards	/
LABEL ELEMENTS	
Symbols	/
Danger	/
Precaution	P264 Wash your hands thoroughly after handling P280 Wear protective clothing and gloves, eye or face protection

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 goggles / face protection	 
Environmental protection	Absorb onto sand or other absorbent material and shovel into container for disposal	
CLEANING MEASURES		
<ul style="list-style-type: none"> ● Collecting ● Cleaning ● Disposal 	Pump into clearly identified unbreakable containers Wash thoroughly with water Incineration according to local regulations	



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7. HANDLING AND STORAGE

HANDLING	Require protective equipment (see section 8)
STORAGE	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
<ul style="list-style-type: none">• Technical measures• Storage conditions• Storage recommendations	
PACKAGING MATERIALS	Polyethylene, Polypropylene, stainless steel
<ul style="list-style-type: none">• Recommended• Not advised• Recommended sealing	Mild steel, iron Viton, Kevlar, Teflon

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT	Impermeable gloves (PVC) if continual handling Goggles and/or face protection Working clothing	  
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 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 • Persistence • Bio accumulative • PBT and vPvB assessment ECOTOXICITY <ul style="list-style-type: none"> • Toxicity data • Aquatic life toxicity 	COD = 1163 gO ₂ /l BOD ₅ = 924 gO ₂ /l 79% after 5 days; FREEZOL is readily biodegradable FREEZOL is free of persistent components FREEZOL is free of bio accumulative components Not classified PBT or vPvB Not available 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

Safety, human health and environmental regulations related to the product	Regulation EC 440/2008 on chemicals Directive 2008/98/EC on waste management Government Regulation 361/2007 for health protection at work Regulation EC 1907/2006 on REACH registration Regulation EC 1272/2008 on classification and labelling of chemicals
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16. OTHER INFORMATION

Rules of drafting Relevant Symbols Relevant H Statements Relevant P statements	This Safety Data Sheet complies with European Regulation EC 1272/2008 (CLP/GHS) / / P264. P280.
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