



## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>TRADE NAME</b> Recommended use <b>MANUFACTURER</b> ☛ Address  ☛ Phone no. ☛ Fax no. ☛ E-mail	<b>FREEZOL</b> Anti freeze concentrate for extinguishing preparations <b>3FFF</b> Unit C, Marconi Courtyard, Brunel Road, Earlstree ind est, Corby, Northants, NN17 4LT, UNITED KINGDOM +44(0)1536 202919 +44(0)1536 263641 enquiries@3fffuk.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 <sub>2</sub>
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
<b>CLEANING MEASURES</b>	
☛ Collecting	Pump into clearly identified unbreakable containers
☛ Cleaning	Wash thoroughly with water
☛ Disposal	Evacuate to a water treatment facility

## 7. HANDLING AND STORAGE

<b>HANDLING:</b> <b>STORAGE:</b> ☛ Technical measures ☛ Storage conditions ☛ Storage recommendations <b>Packaging material:</b> ☛ 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

<b>PERSONAL PROTECTIVE EQUIPMENT :</b> ☛ Hand protection ☛ Eye protection ☛ Body protection <b>HYGIENIC MEASURES:</b>	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

<b>APPEARANCE:</b> <input checked="" type="checkbox"/> Physical form <input checked="" type="checkbox"/> Colour / Odour <input checked="" type="checkbox"/> PH at 1% Vol. in water <input checked="" type="checkbox"/> Freezing point <input checked="" type="checkbox"/> Boiling point <input checked="" type="checkbox"/> Flash point <input checked="" type="checkbox"/> Flammability / oxidising / explosive properties <input checked="" type="checkbox"/> Specific gravity at 20°C <input checked="" type="checkbox"/> Solubility	Liquid Blue / plastic smell 7.0 +/- 1.0 < - 30°C > + 190°C > + 103°C None 1100 +/- 20 Kg / m <sup>3</sup> 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	None to be expected
Local effects	Not irritant on eyes and skin [OECD 404/405]

## 12. ECOLOGICAL DATA

<b>ENVIRONMENTAL BEHAVIOUR:</b> <input checked="" type="checkbox"/> Biodegradation data ( pure )  <input checked="" type="checkbox"/> Bio accumulative <b>ECOTOXICITY:</b> <input checked="" type="checkbox"/> Aquatic life toxicity	TOD = 761 g O <sub>2</sub> / l [ molar calculation ] Probably readily biodegradable  Not expected according to our knowledge  Not expected to be toxic after dilution
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## 13. DISPOSAL CONDITIONS

<b>PRODUCT:</b> <input checked="" type="checkbox"/> Prohibition <input checked="" type="checkbox"/> Disposal  <b>PACKAGING:</b> <input checked="" type="checkbox"/> Prohibition <input checked="" type="checkbox"/> Cleaning <input checked="" type="checkbox"/> Disposal	Do not discharge in the environment Small amounts of product do not interfere with water treatment facilities. Big quantities should be treated as chemical waste according to local regulations  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

<b>INTERNATIONAL REGULATIONS:</b> <input checked="" type="checkbox"/> Road - RID/ADR <input checked="" type="checkbox"/> Sea - OMI/IMDG <input checked="" type="checkbox"/> Air - ICAO/IATA	Non hazardous Non hazardous Non hazardous
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## 15. REGULATORY INFORMATION

<b>LABELLING:</b> <input checked="" type="checkbox"/> CE regulations <input checked="" type="checkbox"/> Hazard symbols <input checked="" type="checkbox"/> S indications	Not classified / S20/21 : When using do not eat, drink or smoke
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## 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
Edition date	01/01/2008
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