

# **FREEZOL**

## **SAFETY DATA SHEET**

#### 1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME	FREEZOL	
Recommended use	Anti-Freeze Agent	
MANUFACTURER	3FFF LIMITED	
Address	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 c	ontact	Wash off with water. Remove contaminated soaked clothing and rinse with water	
Eye co	ontact	Flush eye with plenty of water for at least 10 minutes maintaining open eyelids	
Swallo	owing	Wash mouth with water. Seek medical advice	
Inhala	ation	If there are any signs of nausea or sickness, seek medical advice	
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#### 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><li>Collecting</li></ul>	Pump into clearly identified unbreakable containers
<ul><li>Cleaning</li></ul>	Wash thoroughly with water
<ul><li>Disposal</li></ul>	Incineration according to local regulations



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#### 7. HANDLING AND STORAGE

<b>HANDLING</b>
STORAGE

- Technical measures
- Storage conditions
- Storage recommendations

#### **PACKAGING MATERIALS**

- Recommended
- Not advised
- Recommended sealing

Require protective equipment (see section 8)

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

**O**+

polyurethane coating. Tanks in PE, PP

Polyethylene, Polypropylene, stainless steel

Mild steel, iron

Viton, Kevlar, Teflon

#### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

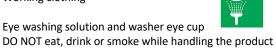
#### PERSONAL PROTECTIVE EQUIPMENT

- Hand protection
- Eye protection
- **Body protection HYGIENIC MEASURES**

Impermeable gloves (PVC) if continual handling

Goggles and/or face protection

Working clothing



Clean hands after working with any chemical products











#### 9. PHYSICAL AND CHEMICAL PROPERTIES

•	Physical form	
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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<sup>3</sup>

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	Not classified as toxic if swallowed
Local effects on the eye and skin	Not irritating to eyes and skin



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## **FREEZOL**

# 3F

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#### 12. ECOLOGICAL DATA

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Biodegradation data

Biodegradation rate

Persistency

Bio accumulative

PBT and vPvB assessment

#### **ECOTOXICITY**

Toxicity data

Aquatic life toxicity

COD =  $1163 \text{ gO}_2/\text{I}$ 

 $BOD_5 = 924 gO_2/I$ 

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

#### 13. DISPOSAL CONDITIONS

#### **PRODUCT**

ProhibitionDisposal

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

#### PACKAGING

Prohibition

Cleaning

Disposal

Do not discharge in the environment

Rinse with plenty of water

Incineration or an agreed method for package recycling

#### 14. TRANSPORT INFORMATION

INTERN	ATIONAL	RFGUI	ATIONS
1141 F1/14	7110117	IVEGUE	A110113

Road - RID/ADRSea - OMI/MDGAir - ICAO/IATA

Non hazardous Non hazardous

Non hazardous

#### 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

#### **16. OTHER INFORMATION**

Rι	ules of drafting
Re	elevant Symbols

Relevant H Statements
Relevant P statements

/ P264. P280.

This Safety Data Sheet complies with European Regulation EC 1272/2008 (CLP/GHS)

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Unit B, 18 Brunel Road, Earlstree Industrial Estate, Corby, Northants, NN17 4JW, United Kingdom

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