

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

ZLX320 GP TFR

Revision 1/6
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	ZLX320 GP TFR
- REACH	ALL INGREDIENTS IN THIS FORMULATION HAVE BEEN REGISTERED (WHERE REQUIRED) FOR APPLICABLE USES.

1.3. Details of the supplier of the safety data sheet

Company	Fenco Group Ltd
Address	18 Crofton Drive, Allenby Industrial Estate, Lincoln, LN3 4NR
Web	www.fencogroup.com
Telephone	+44 (0)1522787978
Fax	+44 (0)1522 787838
Email	sales@fencogroup.com
Email address of the competent person	sales@fencogroup.com

1.4. Emergency telephone number

Emergency telephone number	01522 787978
Company	FENCO GROUP LTD

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xi; R36/38
Main hazards	Irritating to eyes and skin. Symbols: Xi: Irritant.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Irrit. 2: H319;

2.2. Label elements

Hazard pictograms



Signal Word

Warning

Precautionary Statement:	P264 - Wash thoroughly after handling.
Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON
Precautionary Statement:	SKIN: Wash with plenty of water/ .
Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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2.2. Label elements

Precautionary Statement: Disposal	lenses, if present and easy to do. Continue rinsing.
	P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
	P501 - Dispose of contents/container to requirements OF LOCAL AUTHORITIES

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration	Conc.	Classification	M-factor.
				Number	(%w/w)		
WATER				80 - 90%			
trisodium nitrilotriacetate	607-620-00-6	5064-31-3	225-768-6		1 - 10% Carc. Cat. 3; R40 Xn; R22 Xi; R36		
					0 - 0.5% Xi; R41		
D-Glucopyranose, Oligomeric, Decyl, Octyl, Glycoside					0 - 0.5% Xi; R36		
1-Propanaminium, 3 Amino-N(carboxymethyl)N,N-Dimet hyl N Coco acyl dervis inner salts							
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0		0 - 0.5% Xn; R20/21/22 Xi; R36/38		
SODIUM METASILICATE PENTA HYDRATE				6834-92-0 229-912-9 01-2119449811-37 01-2119449811-37	0.5 - 1% C; R34		
ALCOHOL ETHOXYLATE	68439-46-3				0.5 - 1% Xn; R22 Xi; R41		
COCAMIDOPROPYL BETAINE			931-296-8		0.5 - 1% Xi; R41		
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	1 - 10% C; R35		
TETRA POTASSIUM PYROPHOSPHATE Mono			7320-34-5	230-785-7 01-2119489369-18	0.5 - 1% Xi; R36		
ethylene glycol (Ethane-1,2-diol particulate)	603-027-00-1	107-21-1	203-473-3		0 - 0.5% Xn; R2		

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration	Conc.	Classification	M-factor.
				Number	(%w/w)		
WATER				80 - 90%			
trisodium nitrilotriacetate	607-620-00-6	5064-31-3	225-768-6		1 - 10% Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319;		
D-Glucopyranose, Oligomeric, Decyl, Octyl, Glycoside					0 - 0.5% Eye Dam. 1: H318;		
1-Propanaminium, 3 Amino-N(carboxymethyl)N,N-Dimet hyl N Coco acyl dervis inner salts					0 - 0.5% Skin Irrit. 2: H315;		
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0		0 - 0.5% Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;		
SODIUM METASILICATE PENTA HYDRATE				6834-92-0 229-912-9 01-2119449811-37 01-2119449811-37	0.5 - 1% Met. Corr. 1: H280; Skin Corr. 1B: H314; Eye Dam. 1: H318; STOT SE 3: H335;		
ALCOHOL ETHOXYLATE	68439-46-3				0.5 - 1% Acute Tox. 4: H302; Eye Dam. 1: H318;		
COCAMIDOPROPYL BETAINE			931-296-8		0.5 - 1% Eye Dam. 1: H318; Aquatic Chronic 3: H412;		
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	1 - 10% Skin Corr. 1A: H314;		
TETRA POTASSIUM PYROPHOSPHATE Mono			7320-34-5	230-785-7 01-2119489369-18	0.5 - 1% Eye Irrit. 2: H319;		
ethylene glycol (Ethane-1,2-diol particulate)	603-027-00-1	107-21-1	203-473-3		0 - 0.5% Acute Tox. 4: H302;		

SECTION 4: First aid measures

4.1. Description of first aid measures

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Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
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4.1. Description of first aid measures

Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Seek medical attention if irritation or symptoms persist.
	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon dioxide (CO ₂).
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

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8.1.1. Exposure Limit Values

Ethylene glycol monobutyl ether (2-Butoxyethanol)	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m3: 123
	WEL 15 min limit ppm: 50 WEL 8-hr limit mg/m3 total inhalable - dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3: 101.2 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Mono ethylene glycol (Ethane-1,2-diol particulate)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable - dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Mono ethylene glycol (Ethane-1,2-diol vapour)	WEL 8-hr limit ppm: 20 WEL 15 min limit ppm: 40 WEL 8-hr limit mg/m3 total inhalable - dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 52 WEL 15 min limit mg/m3: 104 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Sodium hydroxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total inhalable - dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: 2 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

DNEL: Derived no-effect level.

No data is available on this product. Not

8.2. Exposure controls

8.2.1. Appropriate engineering controls	normally required.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection -	Chemical resistant gloves (PVC).
Hand protection	
Respiratory protection	Not normally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid Colour
	Yellow
Odour	Mild
pH	13 - 14
Relative density	1.03 - 1.05
Solubility	Soluble in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Skin corrosion/irritation	Irritating to eyes and skin.
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SECTION 12: Ecological information

12.1. Toxicity

COCAMIDOPROPYL BETAINE	Daphnia EC50/48h: 21.5000 mg/l	Algae IC50/72h: 30.0000 mg/l
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12.2. Persistence and degradability

	DETERGENTS IN THIS FORMULATION ARE >90% BIODEGRADABLE. Inorganic materials are inherently not biodegradable however those present in this formulation/product are either of no known significant environmental hazard or are readily neutralised to form inert salts. More than 90% biodegradable.
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12.3. Bioaccumulative potential

	Does not bioaccumulate.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage. The product is
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14.2. UN proper shipping name

	not classified as dangerous for carriage. The product is not classified as
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14.3. Transport hazard class(es)

14.4. Packing group

	dangerous for carriage. The product is not classified as dangerous for
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14.5. Environmental hazards

	carriage. The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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Further information

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

15.2. Chemical safety assessment

	No chemical Safety assessment has been carried out by the supplier.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 1 - REACH. 2 - 2.1.2. Classification - EC 1272/2008.
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2 - Hazard pictograms.
2 - Signal Word.

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Other information

	<p>2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. 8 - DNEL: Derived no-effect level. 12 - 12.1. Toxicity. 15 - 15.2. Chemical safety assessment.</p>
Text of risk phrases in Section 3	<p>R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R22 - Harmful if swallowed. R34 - Causes burns. R35 - Causes severe burns. R36/38 - Irritating to eyes and skin. R36 - Irritating to eyes. R40 - Limited evidence of a carcinogenic effect. R41 - Risk of</p>
Text of Hazard Statements in Section 3	<p>serious damage to eyes. Acute Tox. 4: H302 - Harmful if swallowed. Eye Irrit. 2: H319 - Causes serious eye irritation. Carc. 2: H351 - Suspected of causing cancer . Eye Dam. 1: H318 - Causes serious eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Acute Tox. 4: H312 - Harmful in contact with skin. Acute Tox. 4: H332 - Harmful if inhaled. Met. Corr. 1: H290 - May be corrosive to metals. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation.</p>
Further information	<p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.</p>
	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>