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# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## EP 11157 TFR

Revision 1

Revision date 2015-07-27

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

#### 1.1. Product identifier

Product name	EP 11157 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	Assured Solutions Ltd
Address	Unit H Westminster Industrial Estate Measham Derbyshire DE12 7DS
Web	www.chemicalsuppliers.uk.com
Telephone	+44 (0)1530 272922
Fax	+44 (0)1530 272921
Email	sales@assuredsolutionsltd.co.uk
Email address of the competent person	sales@assuredsolutionsltd.co.uk

#### 1.4. Emergency telephone number


Emergency telephone number	01530 272 922
Company	ASSURED SOLUTIONS LTD 24hrs

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xi; R36/38 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes and skin.
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: Prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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## 2.2. Label elements

<b>Precautionary Statement: Disposal</b>	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 Number	Conc. (%w/w)	Classification	M-factor.
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	
D-Glucopyranose, Oligomeric, Decyl, Octyl, Glycoside 1-Propanaminium, 3 Amino-N(carboxymethyl)N,N.Dimethyl N Coco acyl derivs inner salts					0 - 0.5%	Xi; R41	
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		7320-34-5	230-785-7	01-2119489369-18	0.5 - 1%	Xi; R36	
Mono ethylene glycol (Ethane-1,2-diol particulate)	603-027-00-1	107-21-1	203-473-3		0 - 0.5%	Xn; R22	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
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 1-Propanaminium, 3 Amino-N(carboxymethyl)N,N.Dimethyl N Coco acyl derivs inner salts					0 - 0.5%	Eye Dam. 1: H318;	
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0		0 - 0.5%	Skin Irrit. 2: H315;	
SODIUM METASILICATE PENTA HYDRATE		6834-92-0	229-912-9	01-2119449811-37 01-2119449811-37	0.5 - 1%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;	
ALCOHOL ETHOXYLATE		68439-46-3			0.5 - 1%	Met. Corr. 1: H290; Skin Corr. 1B: H314; Eye Dam. 1: H318; STOT SE 3: H335;	
COCAMIDOPROPYL BETAINE			931-296-8		0.5 - 1%	Acute Tox. 4: H302; Eye Dam. 1: H318;	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	1 - 10%	Aquatic Chronic 3: H412; Skin Corr. 1A: H314;	
TETRA POTASSIUM PYROPHOSPHATE		7320-34-5	230-785-7	01-2119489369-18	0.5 - 1%	Eye Irrit. 2: H319;	
Mono 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

<b>Inhalation</b>	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	Move the exposed person to fresh air. Seek medical attention. No irritation expected. Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	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 (CO2).
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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 15 min limit ppm: 50 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 123  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.

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Not normally required.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
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.
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## 14.2. UN proper shipping name

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

	The product is not classified as dangerous for carriage.
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## 14.4. Packing group

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

	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. 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>
<b>Text of risk phrases in Section 3</b>	<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 serious damage to eyes.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>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.  Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.</p>

## Further information

	<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>
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