



...advanced chemical  
solutions for industry...

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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EP 01109

Revision 5

Revision date 2015-07-21

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

### 1.1. Product identifier

Product name	EP 01109
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 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes.
2.1.2. Classification - EC 1272/2008	Skin Corr. 1A: H314;

### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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## 2.2. Label elements

<b>Precautionary Statement: Response</b>	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P309+P311 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
<b>Precautionary Statement: Storage</b>	P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to rEQUIREMENTS OF LOCAL AUTHORITIES

## 2.3. Other hazards

<b>Other hazards</b>	SPILLAGE MAY CREATE SLIP HAZARD.
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## 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		0 - 0.5%	Carc. Cat. 3; R40 Xn; R22 Xi; R36	
2 BUTOXY ETHANOL (2-Butoxyethanol)		111-76-2	203-905-0	01-2119475108-36	1 - 10%	Xn; R20/21/22 Xi; R36/38	
TETRA POTASSIUM PYROPHOSPHATE		7320-34-5	230-785-7	01-2119489369-18	1 - 10%	Xi; R36	
POTASSIUM SALT OF ARYL ETHER PHOSPHATE ESTER		72283-31-9			0.5 - 1%	Xi; R36/38	
ALCOHOL ETHOXYLATE		68439-46-3			0.5 - 1%	Xn; R22 Xi; R41	
PROPYLENE GLYCOL (Propane-1,2-diol total vapour and particulates)		57-55-6	200-338-0	01-2119456809-23	0 - 0.5%		
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	0 - 0.5%	C; R35	

## 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		0 - 0.5%	Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319;	
2 BUTOXY ETHANOL (2-Butoxyethanol)		111-76-2	203-905-0	01-2119475108-36	1 - 10%	Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332;	
TETRA POTASSIUM PYROPHOSPHATE		7320-34-5	230-785-7	01-2119489369-18	1 - 10%	Eye Irrit. 2: H319;	
POTASSIUM SALT OF ARYL ETHER PHOSPHATE ESTER		72283-31-9			0.5 - 1%	Skin Irrit. 2: H315; Eye Irrit. 2: H319;	
ALCOHOL ETHOXYLATE		68439-46-3			0.5 - 1%	Acute Tox. 4: H302; Eye Dam. 1: H318;	
PROPYLENE GLYCOL (Propane-1,2-diol total vapour and particulates)		57-55-6	200-338-0	01-2119456809-23	0 - 0.5%		
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	0 - 0.5%	Skin Corr. 1A: H314;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	May cause irritation to mucous membranes. Move the exposed person to fresh air.
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**4.1. Description of first aid measures**

Eye contact	May cause irritation 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	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

	Use extinguishing media appropriate to the surrounding fire conditions.
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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**

	Adopt best Manual Handling considerations when handling, carrying and dispensing.
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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

2 BUTOXY ETHANOL (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:
PROPYLENE GLYCOL (Propane-1,2-diol particulates)	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:
PROPYLENE GLYCOL (Propane-1,2-diol total vapour and particulates)	WEL 8-hr limit ppm: 150  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: 474  WEL 15 min limit mg/m3: - 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.

## Exposure Pattern - Workers

2 BUTOXY ETHANOL	Acute inhalation - Systemic effects 663 mg/m <sup>3</sup> Acute inhalation - Local effects 246 mg/m <sup>3</sup> Long-term - dermal - Systemic effects 75 mg/kg	Acute dermal - Systemic effects 89 mg/kg
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## Exposure Pattern - General population

2 BUTOXY ETHANOL	Acute inhalation - Systemic effects 426 mg/m <sup>3</sup> Acute dermal - Systemic effects 44.5 mg/kg Long-term - inhalation - Local effects 123 mg/kg Long-term - oral - Systemic effects 3.2 mg/kg	Acute oral - Systemic effects 13.4 mg/kg Long-term - dermal - Systemic effects 38 mg/kg
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## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Not normally required.
8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	In case of splashing, wear: Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Clear
Odour	Characteristic
pH	11.5 NOMINAL
Initial boiling point	100
Relative density	1.03 NOMINAL

**Water solubility**

Soluble in water.

**SECTION 10: Stability and reactivity****10.2. Chemical stability**

Stable under normal conditions.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	May cause degreasing of the skin. May cause irritation to eyes.

**11.1.4. Toxicological Information**

POTASSIUM SALT OF ARYL ETHER PHOSPHATE ESTER	Oral Rat LD50: >2000mg/Kg
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**SECTION 12: Ecological information****12.1. Toxicity**

No data is available on this product.

**12.2. Persistence and degradability**

DETERGENTS IN THIS FORMULATION ARE &gt;90% BIODEGRADABLE.

**SECTION 13: Disposal considerations****General information**

Dispose of in compliance with all local and national regulations.

**SECTION 14: Transport information****Further information**

The product is not classified as dangerous for carriage.

**SECTION 15: Regulatory information****15.2. Chemical safety assessment**

No chemical Safety assessment has been carried out by the supplier.

**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. 2 - Precautionary Statement: Prevention.
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## Other information

	<p>2 - Precautionary Statement: Response.  2 - Precautionary Statement: Storage.  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.  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 .  Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled  Skin Irrit. 2: H315 - Causes skin irritation.  Eye Dam. 1: H318 - Causes serious eye damage.  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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