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# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/7

ep 08156

Revision 3

Revision date 2015-08-04

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

### 1.1. Product identifier

Product name	ep 08156
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	F; R11 Xi; R36 R67 Symbols: F: Highly flammable. Xi: Irritant.
Main hazards	Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.
2.1.2. Classification - EC 1272/2008	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;

### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness.

## ep 08156

Revision 3

Revision date 2015-08-04

## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	<p>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 - Keep container tightly closed.</p> <p>P240 - Ground/bond container and receiving equipment.</p> <p>P241 - Use explosion-proof electrical/ventilating/lighting// equipment.</p> <p>P242 - Use only non-sparking tools.</p> <p>P243 - Take precautionary measures against static discharge.</p> <p>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264 - Wash thoroughly after handling.</p> <p>P271 - Use only outdoors or in a well-ventilated area.</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p>
<b>Precautionary Statement: Response</b>	<p>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P314 - Get medical advice/attention if you feel unwell.</p> <p>P337+P313 - If eye irritation persists: Get medical advice/attention.</p> <p>P370+P378 - In case of fire: Use fire fighting procedures to extinguish.</p>
<b>Precautionary Statement: Storage</b>	<p>P403+P233 - Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 - Store in a well-ventilated place. Keep cool.</p> <p>P405 - Store locked up.</p>
<b>Precautionary Statement: Disposal</b>	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					50 - 60%		
trisodium nitrilotriacetate	607-620-00-6	5064-31-3	225-768-6		0 - 0.5%	Carc. Cat. 3; R40 Xn; R22 Xi; R36	
SODIUM LAUROYL SARCOSINATE		137-16-6	205-281-5		0 - 0.5%	Xi; R41	
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		20 - 30%	F; R11 Xi; R36 R67	
2 BUTOXY ETHANOL (2-Butoxyethanol)		111-76-2	203-905-0	01-2119475108-36	1 - 10%	Xn; R20/21/22 Xi; R36/38	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	0 - 0.5%	C; R35	
DYE					0 - 0.5%		

## ep 08156

Revision 3

Revision date 2015-08-04

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
WATER					50 - 60%		
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;	
SODIUM LAUROYL SARCOSINATE		137-16-6	205-281-5		0 - 0.5%	Eye Dam. 1: H318; Acute Tox. 4: H332;	
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		20 - 30%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	
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;	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	0 - 0.5%	Skin Corr. 1A: H314;	
DYE					0 - 0.5%		

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	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

	Self-contained breathing apparatus. Wear protective clothing.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment. Eliminate all sources of ignition. Evacuate personnel to a safe area.
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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. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking.
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## 7.2. Conditions for safe storage, including any incompatibilities

## ep 08156

Revision 3

Revision date 2015-08-04

## 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.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

2 BUTOXY ETHANOL (2-Butoxyethanol)	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m <sup>3</sup> : 123
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m <sup>3</sup> : 101.2
	WEL 8-hr limit mg/m <sup>3</sup> total - inhalable dust:	WEL 15 min limit mg/m <sup>3</sup> total - inhalable dust:
	WEL 8-hr limit mg/m <sup>3</sup> total - respirable dust:	WEL 15 min limit mg/m <sup>3</sup> total - respirable dust:
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m <sup>3</sup> : 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m <sup>3</sup> : 1250
	WEL 8-hr limit mg/m <sup>3</sup> total - inhalable dust:	WEL 15 min limit mg/m <sup>3</sup> total - inhalable dust:
	WEL 8-hr limit mg/m <sup>3</sup> total - respirable dust:	WEL 15 min limit mg/m <sup>3</sup> total - respirable dust:
Sodium hydroxide	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m <sup>3</sup> : -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m <sup>3</sup> : 2
	WEL 8-hr limit mg/m <sup>3</sup> total - inhalable dust:	WEL 15 min limit mg/m <sup>3</sup> total - inhalable dust:
	WEL 8-hr limit mg/m <sup>3</sup> total - respirable dust:	WEL 15 min limit mg/m <sup>3</sup> 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>	Acute dermal - Systemic effects
	Long-term - dermal - Systemic effects	75 mg/kg	89 mg/kg

## 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	Acute oral - Systemic effects
	Long-term - inhalation - Local effects	123 mg/kg	Long-term - dermal - Systemic effects
	Long-term - oral - Systemic effects	3.2 mg/kg	38 mg/kg

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).

## ep 08156

Revision 3  
Revision date 2015-08-04

## 8.2. Exposure controls

Respiratory protection	Wear suitable respiratory equipment when necessary.
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## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Alcoholic
Flash point	12

## 9.2. Other information

Specific gravity	0.97
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## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	Oxidising agents.
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## 10.4. Conditions to avoid

	Heat, sparks and open flames.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Skin corrosion/irritation	Irritating to eyes and skin.
Carcinogenicity	No carcinogenic effects reported.

## SECTION 12: Ecological information

## 12.2. Persistence and degradability

	DETERGENTS IN THIS FORMULATION ARE >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

## Hazard pictograms



## 14.1. UN number

	UN1219
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## 14.2. UN proper shipping name

	ISOPROPYL ALCOHOL
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## 14.3. Transport hazard class(es)

## ep 08156

Revision 3  
Revision date 2015-08-04

## 14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group	II
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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	33
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-D
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## IATA

Packing Instruction (Cargo)	364
Maximum quantity	60 L
Packing Instruction (Passenger)	353
Maximum quantity	5 L

## 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: 2 - Precautionary Statement: Response.
Text of risk phrases in Section 3	R11 - Highly flammable. 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. R67 - Vapours may cause drowsiness and dizziness.
Text of Hazard Statements in Section 3	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. Acute Tox. 4: H332 - Harmful if inhaled. Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

## ep 08156

Revision 3

Revision date 2015-08-04

**Other information**

STOT SE 3: H336 - May cause drowsiness or dizziness.  
Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled  
Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

**Further information**

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.