



...advanced chemical solutions for industry...

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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EP 06031 bioclean

Revision 2

Revision date 2015-06-10

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

1.1. Product identifier

| | |
|--------------|--|
| Product name | EP 06031 bioclean |
| 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 | C; R34 Xn; R40 Symbols: C: Corrosive. |
| Main hazards | Causes burns. Limited evidence of a carcinogenic effect. |
| 2.1.2. Classification - EC 1272/2008 | Skin Corr. 1A: H314; Carc. 2: H351; |

2.2. Label elements

| | |
|-------------------------------------|---|
| Hazard pictograms |   |
| Signal Word | Danger |
| Hazard Statement | Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Carc. 2: H351 - Suspected of causing cancer . |
| Precautionary Statement: Prevention | P102 - Keep out of reach of children. P201 - Obtain special instructions before use. |

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2.2. Label elements

| | |
|--|---|
| Precautionary Statement: Response | P202 - Do not handle until all safety precautions have been read and understood. 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. |
| | P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ or /if you feel unwell. 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. P308+P313 - IF exposed or concerned: Get medical advice/attention. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. |
| Precautionary Statement: Storage | P405 - Store locked up. |
| Precautionary Statement: Disposal | 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. |
|-----------------------------|--------------|------------|-----------|---------------------------|--------------|-----------------------------------|-----------|
| BENZYLAMMONIUM CHLORIDE | | 68391-05-5 | 269-919-4 | | | C; R34 Xn; R22 N; R50 | |
| trisodium nitrilotriacetate | 607-620-00-6 | 5064-31-3 | 225-768-6 | | | Carc. Cat. 3; R40 Xn; R22 Xi; R36 | |
| Sodium hydroxide | 011-002-00-6 | 1310-73-2 | 215-185-5 | 01-2119457892-27 | | C; R35 | |
| ALCOHOL ETHOXYLATE | | 68439-46-3 | | | | Xn; R22 Xi; R41 | |

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|-----------------------------|--------------|------------|-----------|---------------------------|--------------|---|-----------|
| WATER | | | | | | | |
| BENZYLAMMONIUM CHLORIDE | | 68391-05-5 | 269-919-4 | | | | |
| trisodium nitrilotriacetate | 607-620-00-6 | 5064-31-3 | 225-768-6 | | | Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Corr. 1A: H314; | |
| Sodium hydroxide | 011-002-00-6 | 1310-73-2 | 215-185-5 | 01-2119457892-27 | | | |
| ALCOHOL ETHOXYLATE | | 68439-46-3 | | | | Acute Tox. 4: H302; Eye Dam. 1: H318; | |
| ANTI FOAM | | | | | | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|---|
| Inhalation | Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention. |
| Eye contact | Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention. |
| Skin contact | Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion | Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label. |

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO₂), Dry chemical, Foam.

5.2. Special hazards arising from the substance or mixture

Corrosive. Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

| | | |
|------------------|--|--|
| Sodium hydroxide | WEL 8-hr limit ppm: - | WEL 8-hr limit mg/m ³ : - |
| | WEL 15 min limit ppm: - | WEL 15 min limit mg/m ³ : 2 |
| | WEL 8-hr limit mg/m ³ total - | WEL 15 min limit mg/m ³ total - |
| | inhalable dust: | inhalable dust: |
| | WEL 8-hr limit mg/m ³ total - | WEL 15 min limit mg/m ³ total - |
| | respirable dust: | respirable dust: |

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). |
| Respiratory protection | Wear: Self-contained breathing apparatus. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

| | |
|-----------------------|--------------|
| Appearance | Liquid |
| Colour | Clear |
| Odour | Mild |
| pH | 13.5 NOMINAL |
| Initial boiling point | 100 |
| Relative density | 1.09 NOMINAL |

Water solubility

Slightly 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

| | |
|---------------------------|--|
| Skin corrosion/irritation | Causes burns. Irritating to eyes and skin. Risk of serious damage to eyes. |
|---------------------------|--|

SECTION 12: Ecological information

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. |
|--|---|

SECTION 13: Disposal considerations

General information

| | |
|--|---|
| | Dispose of in compliance with all local and national regulations. |
|--|---|

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

| | |
|--|--------|
| | UN1824 |
|--|--------|

14.2. UN proper shipping name

| | |
|--|----------------------------|
| | SODIUM HYDROXIDE, SOLUTION |
|--|----------------------------|

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| ADR/RID | 8 |
| Subsidiary risk | - |
| IMDG | 8 |
| Subsidiary risk | - |
| IATA | 8 |
| Subsidiary risk | - |

14.4. Packing group

| | |
|---------------|-----|
| Packing group | III |
|---------------|-----|

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14.5. Environmental hazards

| | |
|-----------------------|-----|
| Environmental hazards | Yes |
| Marine pollutant | Yes |

ADR/RID

| | |
|-----------------|-----|
| Hazard ID | 80 |
| Tunnel Category | (E) |

IMDG

| | |
|----------|---------|
| EmS Code | F-A S-B |
|----------|---------|

IATA

| | |
|---------------------------------|------|
| Packing Instruction (Cargo) | 856 |
| Maximum quantity | 60 L |
| Packing Instruction (Passenger) | 852 |
| Maximum quantity | 5 L |

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 - Precautionary Statement: Response. |
| Text of risk phrases in Section 3 | R22 - Harmful if swallowed. R34 - Causes burns. R35 - Causes severe burns. R36 - Irritating to eyes. R40 - Limited evidence of a carcinogenic effect. R41 - Risk of serious damage to eyes. R50 - Very toxic to aquatic organisms. |
| 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 . Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Eye Dam. 1: H318 - Causes serious 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. |
|--|--|