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# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## EP 09146 LEMON HSC

Revision 4  
Revision date 2015-07-29

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

#### 1.1. Product identifier

|              |  |
|--------------|--|
| Product name | EP 09146 LEMON HSC   |
| 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<br>Westminster Industrial Estate<br>Measham<br>Derbyshire<br>DE12 7DS |
| Web                                   | www.assuredsolutionsltd.co.uk  |
| 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<br>24hrs |

### SECTION 2: Hazards identification

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

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| 2.1.1. Classification - 1999/45/EC   | Xi; R36/38<br>Symbols: Xi: Irritant. |
| Main hazards                         | Irritating to eyes and skin.         |
| 2.1.2. Classification - EC 1272/2008 | Skin Corr. 1A: H314;                 |

#### 2.2. Label elements

|                                     |  |
|-------------------------------------|--|
| Hazard pictograms                   |  |
| Signal Word                         | Danger   |
| Hazard Statement                    | Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.   |
| Precautionary Statement: Prevention | P260 - Do not breathe dust/fume/gas/mist/vapours/spray.<br>P264 - Wash thoroughly after handling.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection. |

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## 2.2. Label elements

|  |  |
|--|--|
| <b>Precautionary Statement:<br/>Response</b> | P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.<br>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.<br>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P313 - IF exposed or concerned: Get medical advice/attention. |
| <b>Precautionary Statement:<br/>Storage</b>  | P405 - Store locked up.  |
| <b>Precautionary Statement:<br/>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   |              |            |           |                                      |              |                                   |           |
| trisodium nitrilotriacetate   | 607-620-00-6 | 5064-31-3  | 225-768-6 |                                      | 0.5 - 1%     | Carc. Cat. 3; R40 Xn; R22 Xi; R36 |           |
| 2 BUTOXY ETHANOL<br>(2-Butoxyethanol)                                   |              | 111-76-2   | 203-905-0 | 01-2119475108-36                     |              | Xn; R20/21/22 Xi; R36/38          |           |
| SODIUM METASILICATE PENTA<br>HYDRATE                                    |              | 6834-92-0  | 229-912-9 | 01-2119449811-37<br>01-2119449811-37 |              | C; R34                            |           |
| TETRA POTASSIUM<br>PYROPHOSPHATE  |              | 7320-34-5  | 230-785-7 | 01-2119489369-18                     |              | Xi; R36                           |           |
| ALCOHOL ETHOXYLATE  |              | 68439-46-3 |           |                                      |              | Xn; R22 Xi; R41                   |           |
| POTASSIUM SALT OF ARYL<br>ETHER PHOSPHATE ESTER                         |              | 72283-31-9 |           |                                      |              | Xi; R36/38                        |           |
| PROPYLENE GLYCOL<br>(Propane-1,2-diol total vapour and<br>particulates) |              | 57-55-6    | 200-338-0 | 01-2119456809-23                     |              |                                   |           |
| Sodium hydroxide  | 011-002-00-6 | 1310-73-2  | 215-185-5 | 01-2119457892-27                     | 0 - 0.5%     | C; R35                            |           |
| PERFUME   |              |            |           |                                      |              |                                   |           |
| Dipentene   | 601-029-00-7 | 138-86-3   | 205-341-0 |                                      | 0 - 0.5%     | R10 Xi; R38 R43 N; R50/53         |           |
| DYE   |              |            |           |                                      |              |                                   |           |

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## 3.2. Mixtures

## EC 1272/2008

| Chemical Name  | Index No.    | CAS No.    | EC No.    | REACH Registration Number            | Conc. (%w/w) | Classification   | M-factor. |
|--|--------------|------------|-----------|--------------------------------------|--------------|--|-----------|
| WATER  |              |            |           |                                      |              |  |           |
| trisodium nitrilotriacetate  | 607-620-00-6 | 5064-31-3  | 225-768-6 |                                      | 0.5 - 1%     | Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319;   |           |
| 2 BUTOXY ETHANOL<br>(2-Butoxyethanol)                                |              | 111-76-2   | 203-905-0 | 01-2119475108-36                     |              | Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Irrit. 2: H315; Eye Irrit. 2: H319;                             |           |
| SODIUM METASILICATE PENTA<br>HYDRATE                                 |              | 6834-92-0  | 229-912-9 | 01-2119449811-37<br>01-2119449811-37 |              | Acute Tox. 4: H332;  |           |
| TETRA POTASSIUM<br>PYROPHOSPHATE                                     |              | 7320-34-5  | 230-785-7 | 01-2119489369-18                     |              | Met. Corr. 1: H290; Skin Corr. 1B: H314; Eye Dam. 1: H318; STOT SE 3: H335;                                  |           |
| ALCOHOL ETHOXYLATE   |              | 68439-46-3 |           |                                      |              | Eye Irrit. 2: H319;  |           |
| POTASSIUM SALT OF ARYL<br>ETHER PHOSPHATE ESTER                      |              | 72283-31-9 |           |                                      |              | Acute Tox. 4: H302; Eye Dam. 1: H318;  |           |
| PROPYLENE GLYCOL<br>(Propane-1,2-diol total vapour and particulates) |              | 57-55-6    | 200-338-0 | 01-2119456809-23                     |              | Skin Irrit. 2: H315; Eye Irrit. 2: H319;   |           |
| Sodium hydroxide   | 011-002-00-6 | 1310-73-2  | 215-185-5 | 01-2119457892-27                     | 0 - 0.5%     | Skin Corr. 1A: H314;   |           |
| PERFUME  |              |            |           |                                      |              |  |           |
| Dipentene  | 601-029-00-7 | 138-86-3   | 205-341-0 |                                      | 0 - 0.5%     | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |           |
| DYE  |              |            |           |                                      |              |  |           |

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|              |   |
|--------------|---|
| Inhalation   | No irritation expected. May cause irritation to 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). |
|--|-----------------------|

## 5.2. Special hazards arising from the substance or mixture

|  |   |
|--|---|
|  | 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

|  |                                     |
|--|-------------------------------------|
|  | 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

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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.

## 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.

## 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<br>(2-Butoxyethanol)                                   | WEL 8-hr limit ppm: 25                           | WEL 8-hr limit mg/m3: 123                          |
|   | WEL 15 min limit ppm: 50                         | WEL 15 min limit mg/m3: 101.2                      |
|   | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|   | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>respirable dust: |
| PROPYLENE GLYCOL<br>(Propane-1,2-diol particulates)                     | WEL 8-hr limit ppm: -                            | WEL 8-hr limit mg/m3: 10                           |
|   | WEL 15 min limit ppm: -                          | WEL 15 min limit mg/m3: -                          |
|   | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|   | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>respirable dust: |
| PROPYLENE GLYCOL<br>(Propane-1,2-diol total vapour<br>and particulates) | WEL 8-hr limit ppm: 150                          | WEL 8-hr limit mg/m3: 474                          |
|   | WEL 15 min limit ppm: -                          | WEL 15 min limit mg/m3: -                          |
|   | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|   | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>respirable dust: |
| Sodium hydroxide  | WEL 8-hr limit ppm: -                            | WEL 8-hr limit mg/m3: -                            |
|   | WEL 15 min limit ppm: -                          | WEL 15 min limit mg/m3: 2                          |
|   | WEL 8-hr limit mg/m3 total -<br>inhalable dust:  | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|   | WEL 8-hr limit mg/m3 total -<br>respirable dust: | WEL 15 min limit mg/m3 total -<br>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).

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## 8.2. Exposure controls

|                        |                        |
|------------------------|------------------------|
| Respiratory protection | Not normally required. |
|------------------------|------------------------|

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

|                  |                  |
|------------------|------------------|
| Appearance       | Liquid           |
| Colour           | Green            |
| Odour            | Perfumes         |
| pH               | > 11.5           |
| Relative density | 1.04 - 1.06      |
| 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

|                           |   |
|---------------------------|---|
| Skin corrosion/irritation | Irritating to eyes. Irritating to skin. |
|---------------------------|---|

## 11.1.4. Toxicological Information

|   |                           |
|---|---------------------------|
| POTASSIUM SALT OF ARYL<br>ETHER PHOSPHATE ESTER | Oral Rat LD50: >2000mg/Kg |
|---|---------------------------|

## 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. More than 90% biodegradable. |
|--|--|

## 12.3. Bioaccumulative potential

|  |                         |
|--|-------------------------|
|  | Does not bioaccumulate. |
|--|-------------------------|

## SECTION 13: Disposal considerations

## General information

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

## SECTION 14: Transport information

## 14.1. UN number

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.2. UN proper shipping name

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.3. Transport hazard class(es)

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.4. Packing group

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.5. Environmental hazards

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.6. Special precautions for user

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## 14.6. Special precautions for user

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 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. |
|--|--|

## 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

|   |  |
|---|--|
| <b>Revision</b>                               | This document differs from the previous version in the following areas:<br>1 - REACH.<br>2 - Precautionary Statement: Response.<br>8 - DNEL: Derived no-effect level.  |
| <b>Text of risk phrases in Section 3</b>      | R10 - Flammable<br>R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.<br>R22 - Harmful if swallowed.<br>R34 - Causes burns.<br>R35 - Causes severe burns.<br>R36/38 - Irritating to eyes and skin.<br>R36 - Irritating to eyes.<br>R38 - Irritating to skin.<br>R40 - Limited evidence of a carcinogenic effect.<br>R41 - Risk of serious damage to eyes.<br>R43 - May cause sensitisation by skin contact.<br>R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  |
| <b>Text of Hazard Statements in Section 3</b> | Acute Tox. 4: H302 - Harmful if swallowed.<br>Eye Irrit. 2: H319 - Causes serious eye irritation.<br>Carc. 2: H351 - Suspected of causing cancer .<br>Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled<br>Skin Irrit. 2: H315 - Causes skin irritation.<br>Met. Corr. 1: H290 - May be corrosive to metals.<br>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.<br>Eye Dam. 1: H318 - Causes serious eye damage.<br>STOT SE 3: H335 - May cause respiratory irritation.<br>Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.<br>Flam. Liq. 3: H226 - Flammable liquid and vapour.<br>Skin Sens. 1: H317 - May cause an allergic skin reaction.<br>Aquatic Acute 1: H400 - Very toxic to aquatic life.<br>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. |

## 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. |
|--|--|