SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Aseptopol EL 75

Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name : Aseptopol EL 75
Product code : 114813E
Use of the Substance/Mixture : Manual Warewashing Detergent
Substance type: : Mixture

For professional users only.

Product dilution information : 0.5 % - 2.0 %

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Dishwash product. Manual process
General purpose cleaner. Manual process
Biocide. Spray and rinse manual process

Recommended restrictions on use : Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company : Ecolab Ltd.
PO Box 11; Winnington Avenue
Northwich, Cheshire, United Kingdom CW8 4DX
+ 44 (0)1606 74488
ccs@ecolab.com

1.4 Emergency telephone number

Emergency telephone number : +441618841235
+32-(0)3-575-5555 Trans-European

Date of Compilation/Revision : 26.10.2018
Version : 3.1

Section: 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Product AS SOLD
Serious eye damage, Category 1 : H318
Chronic aquatic toxicity, Category 1 : H410
The classification of this product is based on toxicological assessment.

Product AT USE DILUTION

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Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)
Product AS SOLD
Hazard pictograms:

Signal Word: Danger

Hazard Statements:
H318 Causes serious eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:
Prevention:
P273 Avoid release to the environment.
P280e Wear eye protection/face protection.

Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

Hazardous components which must be listed on the label:
Alcohols, C9-11, ethoxylated
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
Didecyl Dimethyl Ammonium Chloride

Product AT USE DILUTION
Not a hazardous substance or mixture.

2.3 Other hazards

Product AS SOLD
None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Product AS SOLD
Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration: [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C9-11, ethoxylated</td>
<td>68439-46-3</td>
<td>Acute toxicity Category 4; H302</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
<tr>
<td></td>
<td>01-2119979533-26</td>
<td>Skin irritation Category 2; H315</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Serious eye damage Category 1; H318</td>
<td></td>
</tr>
<tr>
<td>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts</td>
<td>61789-40-0</td>
<td>Serious eye damage Category 1; H318</td>
<td>&gt;= 2.5 - &lt; 3</td>
</tr>
<tr>
<td></td>
<td>263-058-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>01-2119489410-39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N-(3-aminopropyl)-N-</td>
<td>2372-82-9</td>
<td>Acute toxicity Category 3; H301</td>
<td>&gt;= 1 - &lt; 2.5</td>
</tr>
</tbody>
</table>
# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

## Aseptopol EL 75

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>REACH No.</th>
<th>Classification REGULATION (EC) No 1272/2008</th>
<th>Concentration: [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>dodecylpropane-1,3-diamine</td>
<td>219-145-8</td>
<td>01-2119980592-29</td>
<td></td>
<td>Skin corrosion Category 1A; H314</td>
<td></td>
</tr>
<tr>
<td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     &amp;n...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Substances with a workplace exposure limit:

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>REACH No.</th>
<th>Classification REGULATION (EC) No 1272/2008</th>
<th>Concentration: [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>200-578-6</td>
<td>01-2119457610-43</td>
<td>Flammable liquids Category 2; H225</td>
<td>&gt;= 1 - &lt; 2.5</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>200-661-7</td>
<td>01-2119457558-25</td>
<td>Flammable liquids Category 2; H225</td>
<td>&gt;= 0.5 - &lt; 1</td>
</tr>
</tbody>
</table>

### Product AT USE DILUTION Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>REACH No.</th>
<th>Classification REGULATION (EC) No 1272/2008</th>
<th>Concentration: [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine</td>
<td>2372-82-9</td>
<td>219-145-8</td>
<td>01-2119980592-29</td>
<td>Acute toxicity Category 3; H301 Skin corrosion Category 1A; H314 Serious eye damage Category 1; H318 Specific target organ toxicity - repeated exposure Category 2; H373 Acute aquatic toxicity Category 1; H400 Chronic aquatic toxicity Category 1; H410</td>
<td>&lt; 0.1</td>
</tr>
<tr>
<td>Didecyl Dimethyl Ammonium Chloride</td>
<td>7173-51-5</td>
<td>230-525-2</td>
<td>01-2119945987-15</td>
<td>Acute toxicity Category 4; H302 Skin corrosion Category 1B; H314 Chronic aquatic toxicity Category 2; H411</td>
<td>&lt; 0.1</td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16.

## Section 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Product AS SOLD**

- **In case of eye contact**: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

- **In case of skin contact**: Rinse with plenty of water.

- **If swallowed**: Rinse mouth. Get medical attention if symptoms occur.

- **If inhaled**: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

**Product AT USE DILUTION**

- **In case of eye contact**: Rinse with plenty of water.
In case of skin contact: Rinse with plenty of water.
If swallowed: Rinse mouth. Get medical attention if symptoms occur.
If inhaled: Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

Section: 5. FIREFIGHTING MEASURES

Product AS SOLD

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Fire Hazard
Keep away from heat and sources of ignition.
Flash back possible over considerable distance.
Beware of vapours accumulating to form explosive concentrations.
Vapours can accumulate in low areas.

Hazardous combustion products: Depending on combustion properties, decomposition products may include following materials:
Carbon oxides
nitrogen oxides (NOx)
Sulphur oxides
Oxides of phosphorus

5.3 Advice for firefighters

Special protective equipment for firefighters: Use personal protective equipment.

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Section: 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Product AS SOLD

Advice for non-emergency: Ensure adequate ventilation. Remove all sources of ignition. Keep
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personnel

Advice for emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

Advice for non-emergency personnel: Refer to protective measures listed in sections 7 and 8.

Advice for emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

6.2 Environmental precautions

Product AS SOLD
Environmental precautions: Do not allow contact with soil, surface or ground water.

Product AT USE DILUTION
Environmental precautions: No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Product AS SOLD
Methods for cleaning up: Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION
Methods for cleaning up: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

6.4 Reference to other sections

See Section 1 for emergency contact information.
For personal protection see section 8.
See Section 13 for additional waste treatment information.

Section: 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Product AS SOLD
Advice on safe handling: Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation. Keep away from fire, sparks and heated surfaces.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Wash hands thoroughly after handling. Do not breathe spray, vapour.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Advice on safe handling: Wash hands after handling. For personal protection see section 8.

Hygiene measures: Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Product AS SOLD
Requirements for storage areas and containers: Keep away from heat and sources of ignition. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Storage temperature: 0 °C to 40 °C

Product AT USE DILUTION
Requirements for storage areas and containers: Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

7.3 Specific end uses

Product AS SOLD

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Product AS SOLD

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>TWA</td>
<td>1,000 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,920 mg/m³</td>
<td>UKCOSSTD</td>
</tr>
<tr>
<td>Further information</td>
<td>2</td>
<td></td>
<td>Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</td>
<td></td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>TWA</td>
<td>400 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>999 mg/m³</td>
<td>UKCOSSTD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>500 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,250 mg/m³</td>
<td>UKCOSSTD</td>
</tr>
</tbody>
</table>

DNEL

| Isopropyl Alcohol    |          | End Use: Workers              |                      |
|                      |          | Exposure routes: Dermal      |                      |
|                      |          | Potential health effects: Long-term systemic effects |                      |
|                      |          | Value: 888 mg/cm²             |                      |

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 500 mg/m³

End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 319 mg/cm²

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 89 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 26 ppm

**PNEC**

| Isopropyl Alcohol | Fresh water       | Value: 140.9 mg/l |
|                  | Marine water      | Value: 140.9 mg/l |
|                  | Intermittent use/release | Value: 140.9 mg/l |
|                  | Fresh water       | Value: 552 mg/kg  |
|                  | Marine sediment   | Value: 552 mg/kg  |
|                  | Soil              | Value: 28 mg/kg   |
|                  | Sewage treatment plant | Value: 2251 mg/l |
|                  | Oral              | Value: 160 mg/kg  |

### 8.2 Exposure controls

**Product AS SOLD**

**Appropriate engineering controls**

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.
Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

**Eye/face protection (EN 166):** Safety goggles
Face-shield

**Hand protection (EN 374):** No special protective equipment required.

**Skin and body protection (EN 14605):** No special protective equipment required.

**Respiratory protection (EN 143, 14387):** None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, (EU) 2016/425), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

**Product AT USE DILUTION**

**Appropriate engineering controls**

**Engineering measures:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

**Hygiene measures:** Wash hands before breaks and immediately after handling the product.

**Eye/face protection (EN 166):** No special protective equipment required.

**Hand protection (EN 374):** No special protective equipment required.

**Skin and body protection (EN 14605):** No special protective equipment required.

**Respiratory protection (EN 143, 14387):** None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, (EU) 2016/425), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

**Environmental exposure controls**

**General advice:** Consider the provision of containment around storage vessels.

---

**Section: 9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>114813E</td>
<td>8 / 19</td>
</tr>
</tbody>
</table>
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Appearance: liquid
Colour: clear, light green
Odour: odourless
pH: 10.5 - 11.5, 100 %
Flash point: 60 °C, Does not sustain combustion.
Odour Threshold: Not applicable and/or not determined for the mixture
Melting point/freezing point: Not applicable and/or not determined for the mixture
Initial boiling point and boiling range: Not applicable and/or not determined for the mixture
Evaporation rate: Not applicable and/or not determined for the mixture
Flammability (solid, gas): Not applicable and/or not determined for the mixture
Upper explosion limit: Not applicable and/or not determined for the mixture
Lower explosion limit: Not applicable and/or not determined for the mixture
Vapour pressure: Not applicable and/or not determined for the mixture
Relative vapour density: Not applicable and/or not determined for the mixture
Relative density: 0.99 - 1.03
Water solubility: soluble
Solubility in other solvents: Not applicable and/or not determined for the mixture
Partition coefficient: n-octanol/water: Not applicable and/or not determined for the mixture
Auto-ignition temperature: Not applicable and/or not determined for the mixture
Thermal decomposition: Not applicable and/or not determined for the mixture
Viscosity, kinematic: 19.838 mm2/s (40 °C)
Explosive properties: Not applicable and/or not determined for the mixture
Oxidizing properties: The substance or mixture is not classified as oxidizing.

9.2 Other information

Not applicable and/or not determined for the mixture

Section: 10. STABILITY AND REACTIVITY

Product AS SOLD

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid
Heat, flames and sparks.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Depending on combustion properties, decomposition products may include following materials:
- Carbon oxides
- Nitrogen oxides (NOx)
- Sulphur oxides
- Oxides of phosphorus

Section: 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

**Product AS SOLD**

Information on likely routes of exposure:
- Inhalation, Eye contact, Skin contact

**Product**

- **Acute oral toxicity**: Acute toxicity estimate: > 2,000 mg/kg
- **Acute inhalation toxicity**: There is no data available for this product.
- **Acute dermal toxicity**: There is no data available for this product.
- **Skin corrosion/irritation**: No skin irritation, Method: OECD Test Guideline 404, Test substance: Product
- **Serious eye damage/eye irritation**: There is no data available for this product.
- **Respiratory or skin sensitization**: There is no data available for this product.
- **Carcinogenicity**: There is no data available for this product.
- **Reproductive effects**: There is no data available for this product.
- **Germ cell mutagenicity**: There is no data available for this product.
- **Teratogenicity**: There is no data available for this product.
- **STOT - single exposure**: There is no data available for this product.
- **STOT - repeated exposure**: There is no data available for this product.
- **Aspiration toxicity**: There is no data available for this product.

**Components**

- **Acute oral toxicity**: Alcohols, C9-11, ethoxylated, LD50 rat: 1,400 mg/kg
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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts
LD50 rat: 2,600 mg/kg

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
LD50 rat: 261 mg/kg

Didecyl Dimethyl Ammonium Chloride
LD50 rat: 1,150 mg/kg

ethanol
LD50 rat: 10,470 mg/kg

Isopropyl Alcohol
LD50 rat: 5,840 mg/kg

Components

Acute inhalation toxicity: ethanol
4 h LC50 rat: 117 mg/l
Test atmosphere: vapour

Isopropyl Alcohol
4 h LC50 rat: > 30 mg/l
Test atmosphere: vapour

Components

Acute dermal toxicity: Alcohols, C9-11, ethoxylated
LD50 rat: > 5,000 mg/kg

Didecyl Dimethyl Ammonium Chloride
LD50 rabbit: 2,930 mg/kg

ethanol
LD50 rabbit: > 15,800 mg/kg

Isopropyl Alcohol
LD50 rabbit: 12,870 mg/kg

Potential Health Effects

Product AS SOLD
Eyes: Causes serious eye damage.
Skin: Health injuries are not known or expected under normal use.
Ingestion: Health injuries are not known or expected under normal use.
Inhalation: Health injuries are not known or expected under normal use.
Chronic Exposure: Health injuries are not known or expected under normal use.

Product AT USE DILUTION
Eyes: Health injuries are not known or expected under normal use.
Skin: Health injuries are not known or expected under normal use.
Ingestion: Health injuries are not known or expected under normal use.
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<table>
<thead>
<tr>
<th>Experience with human exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product AS SOLD</strong></td>
</tr>
<tr>
<td>Eye contact</td>
</tr>
<tr>
<td>Skin contact</td>
</tr>
<tr>
<td>Ingestion</td>
</tr>
<tr>
<td>Inhalation</td>
</tr>
</tbody>
</table>

| **Product AT USE DILUTION**   |
| Eye contact                   | No symptoms known or expected. |
| Skin contact                  | No symptoms known or expected. |
| Ingestion                     | No symptoms known or expected. |
| Inhalation                    | No symptoms known or expected. |

### Section: 12. ECOLOGICAL INFORMATION

**Product AS SOLD**

**12.1 Ecotoxicity**

<table>
<thead>
<tr>
<th>Environmental Effects</th>
<th>Very toxic to aquatic life with long lasting effects.</th>
</tr>
</thead>
</table>

**Product**

<table>
<thead>
<tr>
<th>Toxicity to fish</th>
<th>Very toxic to aquatic life.: Test substance: Similar Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to daphnia and other</td>
<td>no data available</td>
</tr>
<tr>
<td>aquatic invertebrates</td>
<td></td>
</tr>
<tr>
<td>Toxicity to algae</td>
<td>no data available</td>
</tr>
<tr>
<td>Toxicity to fish (Chronic</td>
<td>Very toxic to aquatic life with long lasting effects.:</td>
</tr>
<tr>
<td>toxicity)</td>
<td>Test substance: Similar Product</td>
</tr>
</tbody>
</table>

**Components**

<table>
<thead>
<tr>
<th>Toxicity to fish</th>
<th>Alcohols, C9-11, ethoxylated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>96 h LC50 Fish: 8.5 mg/l</td>
</tr>
<tr>
<td></td>
<td>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-</td>
</tr>
<tr>
<td></td>
<td>coco acyl derivs., hydroxides, inner salts</td>
</tr>
<tr>
<td></td>
<td>96 h LC50 Fish: 2 mg/l</td>
</tr>
<tr>
<td></td>
<td>Didecyl Dimethyl Ammonium Chloride</td>
</tr>
<tr>
<td></td>
<td>96 h LC50 Fish: 1 mg/l</td>
</tr>
<tr>
<td></td>
<td>ethanol</td>
</tr>
<tr>
<td></td>
<td>96 h LC50 Pimephales promelas (fathead minnow): &gt; 100 mg/l</td>
</tr>
<tr>
<td></td>
<td>Isopropyl Alcohol</td>
</tr>
</tbody>
</table>
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96 h LC50 Pimephales promelas (fathead minnow): 9,640 mg/l

Components
Toxicity to daphnia and other aquatic invertebrates: Alcohols, C9-11, ethoxylated
48 h EC50 Daphnia magna (Water flea): 5.3 mg/l
Isopropyl Alcohol
LC50 Daphnia magna (Water flea): > 10,000 mg/l

Components
Toxicity to algae: N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
72 h EC50: 0.014 mg/l

12.2 Persistence and degradability

Product
Biodegradability: The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC

Components
Biodegradability: Alcohols, C9-11, ethoxylated
Result: Readily biodegradable.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts
Result: Readily biodegradable.
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
Result: Readily biodegradable.
Didecyl Dimethyl Ammonium Chloride
Result: Eliminated from aquatic environment
ethanol
Result: Readily biodegradable.
Isopropyl Alcohol
Result: Readily biodegradable.

12.3 Bioaccumulative potential
no data available

12.4 Mobility in soil
no data available

12.5 Results of PBT and vPvB assessment

Product
Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6 Other adverse effects

no data available

Section: 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the European Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

13.1 Waste treatment methods

Product AS SOLD

Product: The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Guidance for Waste Code selection: Organic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC) and local regulations.

Product AT USE DILUTION

Product: Diluted product can be flushed to sanitary sewer.

Contaminated packaging: Dispose of in accordance with local, state, and federal regulations.

Section: 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (ADR/ADN/RID)

14.1 UN number: 3082
14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkylamine(s), Alkyl ammonium chloride)
14.3 Transport hazard class(es): 9
14.4 Packing group: III
14.5 Environmental hazards: Yes
14.6 Special precautions for user: None
### Air transport (IATA)

<table>
<thead>
<tr>
<th>14.1 UN number</th>
<th>3082</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name</td>
<td>Environmentally hazardous substance, liquid, n.o.s. (Alkylamine(s), Alkyl ammonium chloride)</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>9</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>III</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Yes</td>
</tr>
<tr>
<td>14.6 Special precautions for user</td>
<td>None</td>
</tr>
</tbody>
</table>

### Sea transport (IMDG/IMO)

<table>
<thead>
<tr>
<th>14.1 UN number</th>
<th>3082</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkylamine(s), Alkyl ammonium chloride)</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>9</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>III</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Yes</td>
</tr>
<tr>
<td>14.6 Special precautions for user</td>
<td>None</td>
</tr>
<tr>
<td>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

### Section: 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- According to Detergents Regulation EC 648/2004:
  - 5% or over but less than 15%: Non-ionic surfactants
  - less than 5%: Amphoteric surfactants
  - Contains: Disinfectants

**National Regulations**

Take note of Dir 94/33/EC on the protection of young people at work.

Other regulations:
- The Chemicals (Hazard Information and Packaging for Supply) Regulations.
- The Control of Substances Hazardous to Health Regulations.
- Health and Safety at Work Act.

#### 15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

### Section: 16. OTHER INFORMATION

**Procedure used to derive the classification according to REGULATION (EC) No 1272/2008**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
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<tbody>
<tr>
<td>114813E</td>
<td>15 / 19</td>
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</tbody>
</table>
SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006
Aseptopol EL 75

<table>
<thead>
<tr>
<th>Serious eye damage 1, H318</th>
<th>Calculation method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chronic aquatic toxicity 1, H410</th>
<th>Calculation method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-Statements

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS – Australian Inventory of Chemical Substances; ASTM – American Society for the Testing of Materials; bw – Body weight; CLP – Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR – Carcinogen, Mutagen or Reproductive Toxicant; DIN – Standard of the German Institute for Standardisation; DSL – Domestic Substances List (Canada); ECHA – European Chemicals Agency; EC-Number – European Community number; ECx – Concentration associated with x% response; ELx – Loading rate associated with x% response; EmS – Emergency Schedule; ENCS – Existing and New Chemical Substances (Japan); ErCx – Concentration associated with x% growth rate response; GHS – Globally Harmonized System; GLP – Good Laboratory Practice; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; IBC – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 – Half maximal inhibitory concentration; ICAO – International Civil Aviation Organization; IECSC – Inventory of Existing Chemical Substances in China; IMDG – International Maritime Dangerous Goods; IMO – International Maritime Organization; ISHL – Industrial Safety and Health Law (Japan); ISO – International Organisation for Standardization; KECI – Korea Existing Chemicals Inventory; LC50 – Lethal Concentration to 50 % of a test population; LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL – International Convention for the Prevention of Pollution from Ships; n.o.s. – Not Otherwise Specified; NO(A)EC – No Observed (Adverse) Effect Concentration; NO(A)EL – No Observed (Adverse) Effect Level; NOELR – No Observable Effect Loading Rate; NZIoC – New Zealand Inventory of Chemicals; OECD – Organization for Economic Co-operation and Development; OPPTS – Office of Chemical Safety and Pollution Prevention; PBT – Persistent, Bioaccumulative and Toxic substance; PICCS – Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR – (Quantitative) Structure Activity Relationship; REACH – Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID – Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT – Self-Accelerating Decomposition Temperature; SDS – Safety Data Sheet; TCSI – Taiwan Chemical Substance Inventory; TRGS – Technical Rule for Hazardous Substances; TSCA – Toxic Substances Control Act (United States); UN – United Nations; vPvB – Very Persistent and Very Bioaccumulative

Further information

Prepared by : Regulatory Affairs
SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Aseptopol EL 75

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

Annex: Exposure Scenarios

Exposure Scenario: Biocide. Spray and rinse manual process

Exposure Scenario: Dishwash product. Manual process

Life Cycle Stage : Widespread use by professional workers

Product category : PC35 Washing and cleaning products (including solvent based products)

Contributing scenario controlling environmental exposure for:

Environmental release category : ERC8a Wide dispersive indoor use of processing aids in open systems

Daily amount per site : 7.5 kg

Type of Sewage Treatment Plant : Municipal sewage treatment plant

Contributing scenario controlling worker exposure for:

Process category : PROC10 Roller application or brushing

Exposure duration : 480 min

Operational conditions and risk management measures : Indoor

Local Exhaust Ventilation is not required

General ventilation : Ventilation rate per hour 1

Skin Protection : No

Respiratory Protection : No

Contributing scenario controlling worker exposure for:
**SAFETY DATA SHEET** according to Regulation (EC) No. 1907/2006

**Aseptopol EL 75**

<table>
<thead>
<tr>
<th>Process category</th>
<th>PROC8a</th>
<th>Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure duration</td>
<td>60 min</td>
<td></td>
</tr>
<tr>
<td>Operational conditions and risk management measures</td>
<td>Indoor</td>
<td>Local Exhaust Ventilation is not required</td>
</tr>
<tr>
<td>General ventilation</td>
<td>Ventilation rate per hour</td>
<td>1</td>
</tr>
<tr>
<td>Skin Protection</td>
<td>Yes: See Section 8</td>
<td></td>
</tr>
<tr>
<td>Respiratory Protection</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**Exposure Scenario: General purpose cleaner. Manual process**

<table>
<thead>
<tr>
<th>Life Cycle Stage</th>
<th>Widespread use by professional workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product category</td>
<td>PC35</td>
</tr>
</tbody>
</table>

**Contributing scenario controlling environmental exposure for:**

<table>
<thead>
<tr>
<th>Environmental release category</th>
<th>ERC8a</th>
<th>Wide dispersive indoor use of processing aids in open systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily amount per site</td>
<td>7.5 kg</td>
<td></td>
</tr>
<tr>
<td>Type of Sewage Treatment Plant</td>
<td>Municipal sewage treatment plant</td>
<td></td>
</tr>
</tbody>
</table>

**Contributing scenario controlling worker exposure for:**

<table>
<thead>
<tr>
<th>Process category</th>
<th>PROC10</th>
<th>Roller application or brushing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure duration</td>
<td>480 min</td>
<td></td>
</tr>
<tr>
<td>Operational conditions and risk management measures</td>
<td>Indoor</td>
<td>Local Exhaust Ventilation is not required</td>
</tr>
<tr>
<td>General ventilation</td>
<td>Ventilation rate per hour</td>
<td>1</td>
</tr>
<tr>
<td>Skin Protection</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Respiratory Protection</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**Contributing scenario controlling worker exposure for:**

<table>
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<tr>
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<th>Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure duration</td>
<td>60 min</td>
<td></td>
</tr>
</tbody>
</table>
### Operational conditions and risk management measures

- **Indoor**

  - Local Exhaust Ventilation is not required

**General ventilation**

- Ventilation rate per hour

**Skin Protection**

- Yes: See Section 8

**Respiratory Protection**

- No