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

1.1 Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>HYDREX PINK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>113275E</td>
</tr>
<tr>
<td>Use of the Substance/Mixture</td>
<td>Skin antiseptic</td>
</tr>
<tr>
<td>Substance type:</td>
<td>Mixture</td>
</tr>
</tbody>
</table>

For professional users only.

Product dilution information : No dilution information provided.

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

<table>
<thead>
<tr>
<th>Identified uses</th>
<th>Drug</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended restrictions on use</td>
<td>Reserved for industrial and professional use.</td>
</tr>
</tbody>
</table>

1.3 Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Company</th>
<th>Ecolab Ltd.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PO Box 11; Winnington Avenue</td>
</tr>
<tr>
<td></td>
<td>Northwich, Cheshire, United Kingdom CW8 4DX</td>
</tr>
<tr>
<td></td>
<td>+ 44 (0)1606 74488</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:ccs@ecolab.com">ccs@ecolab.com</a></td>
</tr>
</tbody>
</table>

1.4 Emergency telephone number

<table>
<thead>
<tr>
<th>Emergency telephone number</th>
<th>Food &amp; Beverage, Institutional, Agriculture, Textile Hygiene: Northwich: +44 (0)1606 74488</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Healthcare Leeds: +44 (0)113 232 2480</td>
</tr>
<tr>
<td></td>
<td>Healthcare Swansea: +44 (0)1252 717616</td>
</tr>
</tbody>
</table>

Poison Information Centre telephone number : Not Available

Date of Compilation/Revision : 10.10.2014
Version : 1.0

Section: 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Flammable liquids , Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H225</td>
</tr>
</tbody>
</table>

Although the product is not classified as dangerous, we recommend you to take the safety advice given below into account.

Classification (67/548/EEC, 1999/45/EC)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Flammable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>R11</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

HYDREX PINK

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

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms: 

Signal Word: Danger

Hazard Statements: H225 Highly flammable liquid and vapour.

Precautionary Statements: Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

2.3 Other hazards

None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>200-578-6 01-2119457610-43</td>
<td>F; R11</td>
<td>Flammable liquidsCategory 2; H225</td>
<td>&gt;= 50 - &lt;= 100</td>
</tr>
<tr>
<td>Chlorhexidine gluconate</td>
<td>18472-51-0 242-354-0</td>
<td>N-Xn-Xi-T; R22-R41-R50-R23</td>
<td>Acute toxicityCategory 4; H302 Acute toxicityCategory 2; H330 Serious eye damage/eye irritationCategory 1; H318 Acute aquatic toxicityCategory 1; H400</td>
<td>&gt;= 0.5 - &lt; 1</td>
<td></td>
</tr>
</tbody>
</table>

For the full text of the R-phrases mentioned in this Section, see Section 16.
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

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

5.1 Extinguishing media
Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media: High volume water jet

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: Decomposition products may include the 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: Use water spray to cool unopened containers. 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
Advice for non-emergency personnel: Remove all sources of ignition. 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

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

6.3 Methods and materials for containment and cleaning up

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.

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

Advice on safe handling: 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).

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities


Storage temperature: 0 °C to 25 °C

7.3 Specific end uses

Specific use(s): Drug

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Components</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>ethanol</td>
<td>TWA</td>
<td>1,000 ppm</td>
<td>1,920 mg/m³</td>
<td>2005-04-06</td>
</tr>
</tbody>
</table>
8.2 Exposure controls

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.

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, 89/686/EEC), 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

Appearance : liquid

Colour : clear, pink

Odour : alcohol-like

pH : 7.5, 100 %

Flash point : 21 °C closed cup, Sustains combustion

Odour Threshold : no data available

Melting point/freezing point : no data available

Initial boiling point and boiling range : no data available

Evaporation rate : no data available

Flammability (solid, gas) : no data available

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : no data available

Relative vapour density : no data available
Relative density : 0.89
Water solubility : soluble
Solubility in other solvents : no data available
Partition coefficient: n-octanol/water : no data available
Auto-ignition temperature : no data available
Thermal decomposition : no data available
Viscosity, kinematic : no data available
Explosive properties : no data available
Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information
no data available

Section: 10. STABILITY AND REACTIVITY

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
Decomposition products may include the following materials:
Carbon oxides
nitrogen oxides (NOx)
Sulphur oxides
Oxides of phosphorus

Section: 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Information on likely routes of exposure : Inhalation, Eye contact, Skin contact exposure
Toxicity
SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

HYDREX PINK

Acute oral toxicity : There is no data available for this product.
Acute inhalation toxicity : 4 h Acute toxicity estimate : > 20 mg/l
Acute dermal toxicity : There is no data available for this product.
Skin corrosion/irritation : There is no data available for this 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 : ethanol
LD50 rat: 10,470 mg/kg
Chlorhexidine gluconate
LD50 rat: 1,445 mg/kg

Components

Acute inhalation toxicity : ethanol
4 h LC50: 117 mg/l
Chlorhexidine gluconate
4 h LC50: 0.365 mg/l

Components

Acute dermal toxicity : ethanol
LD50 rabbit: 15,800 mg/kg
Chlorhexidine gluconate
LD50 rabbit: > 2,000 mg/kg

Potential Health Effects

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.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

**Experience with human exposure**

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.

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**Section: 12. ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

Environmental Effects : This product has no known ecotoxicological effects.

**Product**

Toxicity to fish : no data available
Toxicity to daphnia and other aquatic invertebrates : no data available
Toxicity to algae : no data available

**Components**

Toxicity to fish : ethanol
  96 h LC50 Fish : 11,000 mg/l

**Components**

Toxicity to daphnia and other aquatic invertebrates : Chlorhexidine gluconate
  48 h EC50: 0.06 mg/l

**12.2 Persistence and degradability**

no data available

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

HYDREX PINK

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 : 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.

European Waste Catalogue : 200113* - solvents

Section: 14. TRANSPORT INFORMATION

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 : 1170
14.2 UN proper shipping name : ETHANOL SOLUTION
14.3 Transport hazard class(es) : 3
14.4 Packing group : II
14.5 Environmental hazards : No
14.6 Special precautions for user : None

Air transport (IATA)
14.1 UN number : 1170
14.2 UN proper shipping name : Ethanol solution
14.3 Transport hazard class(es) : 3
14.4 Packing group : II
14.5 Environmental hazards : No
14.6 Special precautions for user : None

Sea transport (IMDG/IMO)
14.1 UN number : 1170
14.2 UN proper shipping name : ETHANOL SOLUTION
14.3 Transport hazard class(es) : 3
14.4 Packing group : II
14.5 Environmental hazards : No
SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

HYDREX PINK

14.6 Special precautions for user
None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

Section: 15. REGULATORY INFORMATION

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

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

Full text of R-Phrases

R11 Highly flammable.
R22 Harmful if swallowed.
R23 Toxic by inhalation.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.

Full text of H-Statements

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.

Full text of other abbreviations

Prepared by: Regulatory Affairs

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.