SAFETY DATA SHEET
5L HYCOLIN HOSPITAL DISINFECTANT

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

1.1. Product identifier
Product name 5L HYCOLIN HOSPITAL DISINFECTANT
Product number 800-252-0001
Container size 2 x 5 litres

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Detergent. Disinfectant.

1.3. Details of the supplier of the safety data sheet
Supplier COVENTRY CHEMICALS LTD
WOODHAMS RD
SISKIN DRIVE
COVENTRY
CV3 4FX
Tel: +44 (0) 02476639739
Fax: +44 (0) 02476639717
Email: sales@coventrychemicals.com

Contact person For content of safety data sheet:, sds@coventrychemicals.com

1.4. Emergency telephone number
Emergency telephone +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)

National emergency telephone number In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards Not Classified

2.2. Label elements
Pictogram

Signal word Danger
Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with local regulations.

Contains

ALCOHOLS, C12-14, ETHOXYLATED, QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES, TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Detergent labelling

5 - < 15% non-ionic surfactants, < 5% disinfectants, < 5% EDTA and salts thereof, < 5% perfumes, < 5% phosphates, Contains LINALOOL

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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<thead>
<tr>
<th>ALCOHOLS, C12-14, ETHOXYLATED</th>
<th>5-10%</th>
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<tbody>
<tr>
<td>CAS number: 68439-50-9</td>
<td>EC number: 500-213-3</td>
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<tr>
<td>M factor (Acute) = 1</td>
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<table>
<thead>
<tr>
<th>Classification</th>
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<tbody>
<tr>
<td>Eye Dam. 1 - H318</td>
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<tr>
<td>Aquatic Acute 1 - H400</td>
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<tr>
<td>Aquatic Chronic 3 - H412</td>
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</table>

<table>
<thead>
<tr>
<th>QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES</th>
<th>1-5%</th>
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<table>
<thead>
<tr>
<th>Classification</th>
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<tbody>
<tr>
<td>Acute Tox. 4 - H302</td>
</tr>
<tr>
<td>Acute Tox. 4 - H312</td>
</tr>
<tr>
<td>Skin Corr. 1B - H314</td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
</tr>
<tr>
<td>Aquatic Acute 1 - H400</td>
</tr>
</tbody>
</table>
5L HYCOLIN HOSPITAL DISINFECTANT

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE 1-5%

CAS number: 64-02-8
EC number: 200-573-9
REACH registration number: 01-2119486762-27-XXXX

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318

Classification (67/548/EEC or 1999/45/EC)
Xn;R22 Xi;R41

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Provide eyewash station.

Inhalation
Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion
Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact
Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing. Show this Safety Data Sheet to the medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

General information
Provide eyewash station.

Skin contact
Prolonged contact may cause redness, irritation and dry skin.

Eye contact
The product is irritating to eyes and skin. Prolonged or repeated exposure may cause the following adverse effects: Irritation and redness, followed by blurred vision. Corneal damage. Risk of serious damage to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting
Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures
5L HYCOLIN HOSPITAL DISINFECTANT

6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**
For personal protection, see Section 8. Treat the spilled material according to the instructions in the clean-up section. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

**Environmental precautions**
Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**
Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

**Reference to other sections**
For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

**Usage precautions**
Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid breathing vapour/spray. Do not mix with other household chemical products. Do not mix with acid.

**Advice on general occupational hygiene**
Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Use appropriate hand lotion to prevent defatting and cracking of skin.

7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at room temperature. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.3. Specific end use(s)

**Specific end use(s)**
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

**ALCOHOLS, C12-14, ETHOXYLATED (CAS: 68439-50-9)**

- **DNEL**
  - Workers - Inhalation; Long term systemic effects: 294 mg/m³
  - Workers - Dermal; Long term systemic effects: 2080 mg/kg/day
  - General population - Inhalation; Long term systemic effects: 87 mg/m³
  - General population - Dermal; Long term systemic effects: 1250 mg/kg/day
  - General population - Oral; Long term systemic effects: 25 mg/kg/day

- **PNEC**
  - Fresh water: 0.0437 mg/l
  - Intermittent release: 0.004 mg/l
  - STP: 10 mg/l
  - Sediment (Freshwater): 31 mg/kg
  - Sediment (Marinewater): 31 mg/kg
  - Soil: 1 mg/kg

**TETRASODIUM ETHELNE DIAMINE TETRAACETATE (CAS: 64-02-8)**
5L HYCOLIN HOSPITAL DISINFECTANT

DNEL

General population - Oral; Long term systemic effects: 25 mg/kg/day
General population - Inhalation; Long term local effects: 0.6 mg/m³
General population - Inhalation; Short term local effects: 1.2 mg/m³
Workers - Inhalation; Long term local effects: 1.5 mg/m³
Workers - Inhalation; Short term local effects: 3 mg/m³

PNEC

- Fresh water;  2.2 mg/l
- Marine water;  0.22 mg/l
- Intermittent release;  1.2 mg/l
- STP;  43 mg/l
- Soil;  0.72 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. Nitrile rubber. Polyethylene. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate hand lotion to prevent defatting and cracking of skin.

Hygiene measures

When using do not eat, drink or smoke. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.

Respiratory protection

Respiratory protection not required.

Environmental exposure controls

Avoid releasing into the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Blue.

Odour

Lemon.

pH

pH (concentrated solution): 10.2-10.5

Relative density

1.035 @ @ 20°C

Solubility(ies)

Soluble in water.
5L HYCOLIN HOSPITAL DISINFECTANT

Explosive under the influence of a flame  Not considered to be explosive.

Comments  Information given is applicable to the product as supplied.

9.2. Other information  Not relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity  Reactivity  There are no known reactivity hazards associated with this product.

10.2. Chemical stability  Stability  Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions  Possibility of hazardous reactions  Not applicable.

10.4. Conditions to avoid  Conditions to avoid  Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials  Materials to avoid  No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products  Hazardous decomposition products  No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects  Toxicological effects  No information available.

Acute toxicity - oral  ATE oral (mg/kg)  14,596.18

Acute toxicity - dermal  ATE dermal (mg/kg)  62,400.0

General information  This product has low toxicity.

Ingestion  May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.

Skin contact  Skin irritation should not occur when used as recommended. Prolonged or repeated exposure may cause the following adverse effects: Irritation. Redness. Dryness and/or cracking. Mild dermatitis, allergic skin rash.

Eye contact  Irritating to eyes. May cause serious eye damage. Severe irritation, burning, tearing and blurred vision. Corneal damage.

SECTION 12: Ecological Information
5L HYCOLIN HOSPITAL DISINFECTANT

Ecotoxicity
There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.

12.1. Toxicity
Toxicity
Not considered toxic to fish.

12.2. Persistence and degradability
Persistence and degradability
There are no data on the degradability of this product. The surfactant(s) contained in this product complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil
Mobility
The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects
Other adverse effects
None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information
Do not discharge into drains or watercourses or onto the ground.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Reuse or recycle products wherever possible.

SECTION 14: Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
5L HYCOLIN HOSPITAL DISINFECTANT

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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
Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Guidance
Workplace Exposure Limits EH40.
ECHA Guidance on the Application of the CLP Criteria.
ECHA Guidance on the compilation of safety data sheets.
COSHH Essentials.

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet
DNEL: Derived No Effect Level.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.

Revision comments
New revision number applied to comply with Commission Regulation (EU) No 2015/830 Of 28 May 2015’ NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 05/06/2017
Revision 2
Supersedes date 17/08/2016
SDS number 10716
5L HYCOLIN HOSPITAL DISINFECTANT

Risk phrases in full

R21/22 Harmful in contact with skin and if swallowed.
R22 Harmful if swallowed.
R34 Causes burns.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.

Hazard statements in full

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.