

SAFETY DATA SHEET



Conforms to EU regulation EC 1907/2006 and amendments

HYDREX HS SOLUTION

Code : 110951E

Version : 2

Date of revision : 23 October 2008

1. Identification of the substance/preparation and company/undertaking

Identification of the substance or preparation

Product name : HYDREX HS SOLUTION
Product use : Surface Disinfectant
Product is for professional use only

Company/undertaking identification

Manufacturer/ : Ecolab Ltd.
Distributor/ David Murray John Building
Importer UK-SN1 1NH Swindon, Wiltshire
England
Tel +44 (0)1793 511221
Fax +44 (0)1793 618552
CCS@ecolab.com
Emergency phone: 01793 511221

anti-poison centre : NOT AVAILABLE.

2. Hazards identification

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : F; R11

Physical/chemical hazards : Highly flammable.

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

3. Composition/information on ingredients

Ingredient declaration according to detergent regulation 648/2004/EC:

Contains disinfectants.

Substance/preparation : Preparation

Ingredient name	EINECS	CAS	%	Classification
ethanol	200-578-6	64-17-5	50 - 100	F; R11
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

4. First aid measures

First-aid measures

Inhalation : Move exposed person to fresh air. Get medical attention if adverse health effects persist or are severe.

Ingestion : Wash out mouth with water. Move exposed person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.

HYDREX HS SOLUTION

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.
- Specific treatments** : Not available.
- See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media - Suitable** : In case of fire, use water spray (fog), foam, dry chemical or CO₂.
- Extinguishing media - Not suitable** : Do not use water jet.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. Avoid breathing vapour or mist. Provide adequate ventilation.
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- Small spill** : Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment.
- Large spill** : Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Do not ingest. Avoid contact with eyes, skin and clothing. Store and use away from heat, sparks, open flame or any other ignition source. After handling, always wash hands thoroughly with soap and water.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use.
- Do not store above the following temperature: 25°C
- Packaging materials Recommended** : Use original container.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
ethanol	EH40/2005 WELs (United Kingdom (UK), 8/2007). TWA: 1920 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s).

- Exposure controls**
- Occupational exposure controls** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Respiratory protection (EN 143, 141)** : A respirator is not needed under normal and intended conditions of product use.
- Hand protection (EN 374)** : No special recommendations.

HYDREX HS SOLUTION

Eye protection (EN 166)	: Safety glasses.
Skin protection (EN 467)	: No special recommendations.

9. Physical and chemical properties

General information

Appearance	
Physical state	: Liquid.
Colour	: Clear.
Odour	: Alcohol-like.

Important health, safety and environmental information

pH	: 6.5 to 9 (100%)
Boiling point	: >35 °C
Melting point	: Not available.
Flash point	: 20 °C (Closed cup)
Flammability (solid, gas)	: Not applicable.
Explosive properties	: Not applicable.
Explosion limits	: Not applicable.
Oxidising properties	: Not available.
Vapour pressure	: Not applicable.
Relative density	: 0.885 g/cm ³ (20 °C)
Solubility	: Not available.
Octanol/water partition coefficient	: Not applicable.
Viscosity	: Not available.
Vapour density	: Not available.
Evaporation rate (butyl acetate = 1)	: Not applicable.

10. Stability and reactivity

Stability	: Stable under normal conditions. Do not mix with other products.
------------------	--

11. Toxicological information

Potential acute health effects

Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Eye contact	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity

The product is not subject to ecological classification according to directive 1999/45/EC.

Persistence and degradability

HYDREX HS SOLUTION

The ecological evaluation of the product is based on data from the raw material and/or comparable substances. Readily and rapidly degradable. All organic substances contained in the product achieve > 60% BOD/COD or CO₂ liberation, or > 70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' (e.g. to OECD method 301) are reached.

13. Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Can be added to general waste collection after completely emptying. Use packages for recycling only when totally empty.
- European waste catalogue (EWC)** : Not for sale in Europe

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label
ADR/RID Class	UN1170	ETHANOL SOLUTION	3	II	3
IMDG Class	UN1170	ETHANOL SOLUTION	3	II	3

Follow special pack instructions for air transport.

15. Regulatory information

EU regulations

Hazard symbol/symbols :



Highly flammable

Risk phrases : R11- Highly flammable.

Safety phrases : S2- Keep out of the reach of children.
S16- Keep away from sources of ignition - No smoking.

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations.

The Control of Substances Hazardous to Health Regulations.

Health and Safety at Work Act.

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R11- Highly flammable.

History

Date of printing : 23 October 2008

Date of revision : 23 October 2008

Version : 2

Prepared by : Ecolab Regulatory Department Europe

Notice to reader

HYDREX HS SOLUTION

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

Version 2

Page: 5/5