

SAFETY DATA SHEET



Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC -
United Kingdom (UK)

CLEAR DRY HDP

Code : 107893E

Version : 2

Date of revision : 2 August 2007

1. Identification of product and company

Identification of the substance or preparation

Product name : CLEAR DRY HDP

Product use : Rinse Additive

Product is for professional use only

Company/undertaking identification

Supplier : Ecolab Ltd.
David Murray John Building
UK-SN1 1NH Swindon, Wiltshire
England
Tel +44 (0)1793 511221
Fax +44 (0)1793 618552
Emergency phone: 01793 511221

anti-poison centre : NOT AVAILABLE.

2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified.

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:

≥15 - <30% non-ionic surfactants

Substance/preparation : Preparation

Ingredient name	EINECS	CAS	%	Classification
Fattyalcohol ethoxylates > 5EO Nonionic surfactants propan-2-ol See section 16 for the full text of the R-phrases declared above	Polymer. Polymer. 200-661-7	67-63-0	10 - 20 5 - 10 1 - 2	N; R50 Xi; R36/38 F; R11 Xi; R36 R67

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

4. First-aid measures

First-aid measures

- Inhalation** : ☒ Inhaled, remove to fresh air.
- Ingestion** : ☒ Do not induce vomiting unless directed to do so by medical personnel. If swallowed, rinse mouth with water (only if the person is conscious).
- Skin contact** : ☒ Flush contaminated skin with plenty of water.
- Eye contact** : ☒ In case of contact with eyes, rinse immediately with plenty of water. 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** : ☒ In case of fire, use water spray (fog), foam, dry chemical, or CO₂.
- Special protective equipment for fire-fighters** : ☒ Fire-fighters should wear proper protective equipment.

6. Accidental release measures

- Personal precautions** : ☒ Large spill and leak Immediately contact safety personnel.
- Environmental precautions and clean-up methods** : ☒ Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- ☒ Small spill: Rinse with plenty of running water. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

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

7. Handling and storage

- Handling** : ☒ Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep away from alkalis. After handling, always wash hands thoroughly with soap and water.
- Storage** : ☒ Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep only in the original container.
- ☒ Store between the following temperatures: 0 and 40°C
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

Ingredient name

☒ Propan-2-ol

Occupational exposure limits

EH40-WEL (United Kingdom (UK), 9/2006).

WEL 15 min limit: 1250 mg/m³ 15 minute(s).

WEL 15 min limit: 500 ppm 15 minute(s).

WEL 8 hrs limit: 999 mg/m³ 8 hour(s).

WEL 8 hrs limit: 400 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.
- Eye protection (EN 166)** : ☒ Safety glasses.

CLEAR DRY HDP

Skin protection
(EN 467) : No special recommendations.

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid.
Colour : Colourless.
Odour : Odourless.

Important health, safety and environmental information

pH : 1.5 to 2 (100%)
Boiling point : Not available.
Melting point : Not available.
Flash point : 100°C
Flammability (solid, gas) : Not applicable.
Explosive properties : Not applicable.
Explosion limits : Not applicable.
Oxidising properties : Not available.
Vapour pressure : Not applicable.
Relative density : 1 to 1.02 g/cm³ (20 °C)
Solubility : Easily soluble in cold water, hot water.
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.
Materials to avoid : Extremely reactive or incompatible with the following materials: alkalis.
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.
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

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

13. Disposal considerations

- Methods of disposal** :  Waste must be disposed of according to applicable regulations. Use as much of the contents as possible, according to instructions. Can be added to general waste collection after completely emptying. Use packages for recycling only when totally empty.
- European waste catalogue (EWC)** : 200114*

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label
ADR/RID Class	UN3082	 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol ethoxylate)	9	III	9
ADN Class	UN3082	 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol ethoxylate)	9	III	9
IMDG Class	UN3082	 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fatty alcohol ethoxylate). Marine pollutant	9	III	9

Follow special pack instructions for air transport.

15. Regulatory information

EU regulations

- Risk phrases** :  This product is not classified according to EU legislation.

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)** :  11- Highly flammable.
R36- Irritating to eyes.
R36/38- Irritating to eyes and skin.
R67- Vapours may cause drowsiness and dizziness.
R50- Very toxic to aquatic organisms.

History

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Prepared by : Ecolab Regulatory Department Europe

Notice to reader

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.