



## SAFETY DATA SHEET

# HYLINE HLD-5000

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

#### 1.1. Product identifier

**Trade name**

HYLINE HLD-5000

**Product no.**

72225

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

**Relevant identified uses of the substance or mixture**

Dishwasher rinse.

**Use descriptors (UK REACH)**

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC35	Washing and Cleaning Products (including solvent based products)
Process category	Description
PROC9	Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
Environmental release category	Description
ERC8a	Wide dispersive indoor use of processing aids in open systems

**Uses advised against**

None known.

#### 1.3. Details of the supplier of the safety data sheet

**Company and address**

**HOBART GmbH**  
Robert-Bosch-Strasse 17  
DE-77656 Offenburg  
Germany  
www.hobart.de

**E-mail**

info@hobart.de

**Revision**

15/02/2023

**SDS Version**

6.0

#### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).  
See section 4 "First aid measures".

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable.

**Signal word**

Not applicable.

**Hazard statement(s)**

Not applicable.

Safety statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

Hazardous substances

None known.

Additional labelling

EUH210, Safety data sheet available on request.

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block	CAS No.: 196823-11-7 EC No.: 677-779-4 UK-REACH: Index No.:	5 - 15 %	Eye Irrit. 2, H319	
Dietylenglykolmonoetyleter	CAS No.: 111-90-0 EC No.: 203-919-7 UK-REACH: Index No.:	1 - 5 %		
1-(2-butoxy-1-methylethoxy)propan-2-ol	CAS No.: 29911-28-2 EC No.: 249-951-5 UK-REACH: Index No.:	1 - 5 %		
Sodium p-cumenesulphonate	CAS No.: 15763-76-5 EC No.: 239-854-6 UK-REACH: Index No.:	1 - 5 %	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

-

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

5% - 15%

· Non-ionic surfactants

< 5%

· Anionic surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures



Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

#### Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

#### Burns

Not applicable.

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

None known.

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

None known.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

#### 5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

#### 6.3. Methods and material for containment and cleaning up

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.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

## 7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### Recommended storage material

Always store in containers of the same material as the original container.

### Storage temperature

0 - 35 °C

### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

## 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

##### 1-(2-butoxy-1-methylethoxy)propan-2-ol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	80 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	134 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	56 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	189 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	16 mg/kg bw/day

##### Dietylenglykolmonoetyleter

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	18 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	30 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	50 mg/kg bw/day

##### Sodium p-cumenesulphonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	48 µg/cm <sup>2</sup>
Long term – Local effects - Workers	Dermal	96 µg/cm <sup>2</sup>
Long term – Systemic effects - General population	Dermal	68.1 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	191 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	6.6 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	37.4 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	3.8 mg/kg bw/day

#### PNEC

##### 1-(2-butoxy-1-methylethoxy)propan-2-ol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		519 µg/L
Freshwater sediment		2.96 mg/kg
Intermittent release (freshwater)		5.19 mg/L
Marine water		51.9 µg/L
Marine water sediment		296 µg/kg
Sewage treatment plant		100 mg/L
Soil		287 µg/kg

##### Dietylenglykolmonoetyleter

Route of exposure:	Duration of Exposure:	PNEC:
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Freshwater	1.98 mg/L
Freshwater sediment	7.32 mg/kg
Intermittent release (freshwater)	19.8 mg/L
Marine water	198 µg/L
Marine water sediment	732 µg/kg
Predators	444 mg/kg
Soil	340 µg/kg
<b>Sodium p-cumenesulphonate</b>	
<b>Route of exposure:</b>	<b>Duration of Exposure:</b>
<b>PNEC:</b>	
Freshwater	100 µg/L
Freshwater sediment	372 µg/kg
Intermittent release (freshwater)	1 mg/L
Marine water	10 µg/L
Marine water sediment	37.2 µg/kg
Sewage treatment plant	100 mg/L
Soil	16 µg/kg

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

No specific requirements.

## 8.3. Individual protection measures, such as personal protective equipment

### Generally

Use only UKCA marked protective equipment.

### Respiratory Equipment

Type	Class	Colour	Standards
No special when used as intended.			

### Skin protection

No specific requirements.

### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
No special when used as intended	-	-	-

### Eye protection

Type	Standards
No special when used as intended.	-

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Colourless

#### Odour / Odour threshold

Testing not relevant or not possible due to the nature of the product.

#### pH

~ 5

#### Density (g/cm<sup>3</sup>)

~ 1,0

#### Kinematic viscosity

Testing not relevant or not possible due to the nature of the product.

#### Particle characteristics

Does not apply to liquids.

#### Phase changes

##### Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

##### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

##### Boiling point (°C)

Testing not relevant or not possible due to the nature of the product.

##### Vapour pressure

Testing not relevant or not possible due to the nature of the product.

##### Relative vapour density

Testing not relevant or not possible due to the nature of the product.

##### Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

#### Data on fire and explosion hazards

##### Flash point (°C)

Testing not relevant or not possible due to the nature of the product.

##### Flammability (°C)

Testing not relevant or not possible due to the nature of the product.

##### Auto-ignition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

##### Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to the nature of the product.

#### Solubility

##### Solubility in water

Completely soluble

##### n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

##### Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

#### 9.2. Other information

##### VOC (g/l)

0

##### Other physical and chemical parameters

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

##### Acute toxicity

Product/substance	Sodium p-cumenesulphonate
Test method:	
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	7200 mg/kg
Other information:	

##### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

##### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

##### Respiratory sensitisation

Based on available data, the classification criteria are not met.

##### Skin sensitisation

Based on available data, the classification criteria are not met.

##### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

##### Carcinogenicity

Based on available data, the classification criteria are not met.

##### Reproductive toxicity

Based on available data, the classification criteria are not met.

##### STOT-single exposure

Based on available data, the classification criteria are not met.

##### STOT-repeated exposure

Based on available data, the classification criteria are not met.

##### Aspiration hazard

Based on available data, the classification criteria are not met.

#### 11.2. Information on other hazards

##### Long term effects

None known.

##### Endocrine disrupting properties

No evidence for endocrine disrupting properties.

##### Other information

None known.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Product/substance	Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Test method:	LC50
Species:	Fish, Brachydanio rerio
Compartment:	
Duration:	No data available.
Test:	
Result:	1 - 10 mg/l
Other information:	

Product/substance	Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Test method:	EC50
Species:	Algae
Compartment:	
Duration:	No data available.
Test:	
Result:	10 - 100 mg/l

Other information:

Product/substance Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block  
 Test method: EC50  
 Species: Crustacean, Daphnia magna  
 Compartment:  
 Duration: No data available.  
 Test:  
 Result: 1 - 10 mg/l  
 Other information:

Product/substance Sodium p-cumenesulphonate  
 Test method: LC50  
 Species: Fish  
 Compartment:  
 Duration: No data available.  
 Test:  
 Result: 1000 mg/l  
 Other information:

Product/substance Sodium p-cumenesulphonate  
 Test method: LC50  
 Species: Algae  
 Compartment:  
 Duration: No data available.  
 Test:  
 Result: 230 mg/l  
 Other information:

Product/substance Sodium p-cumenesulphonate  
 Test method: EC50  
 Species: Crustacean  
 Compartment:  
 Duration: No data available.  
 Test:  
 Result: 1000 mg/l  
 Other information:

Not classified as dangerous to the environment.

**12.2. Persistence and degradability**

The product is easily biodegradable.

Product/substance Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block  
 Biodegradable: Yes  
 Test method: OECD 301 E  
 Result: ≥ 90 %

**12.3. Bioaccumulative potential**

The product is not bioaccumulating

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**12.6. Endocrine disrupting properties**

No evidence for endocrine disrupting properties.

**12.7. Other adverse effects**

None known.

**SECTION 13: Disposal considerations**

**Waste treatment methods**

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

**EWC code**

07 06 01\* Aqueous washing liquids and mother liquors





Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

#### Specific labelling

Not applicable.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.  
Dispose unused product and the packaging in accordance with local requirements.

### SECTION 14: Transport information

14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR -	-	-	-	-	-
IMDG -	-	-	-	-	-
IATA -	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

### SECTION 15: Regulatory information

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

##### Restrictions for application

Restricted to professional users.

##### Demands for specific education

No specific requirements.

##### SEVESO - Categories / dangerous substances

Not applicable.

##### Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. 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.

##### Sources

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H319, Causes serious eye irritation.

#### The full text of identified uses as mentioned in section 1

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

PROC9 = Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PC35 = Washing and Cleaning Products (including solvent based products)

ERC8a = Wide dispersive indoor use of processing aids in open systems

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway



Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

Not applicable.  
Durability: 36 months

#### The safety data sheet is validated by

JUBO

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en