

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 16.01.2023

### 1.1. Product identifier

Product name HYLINE HLG 1000

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

Product group Acidic dishwasher rinse.

Uses advised against No specific uses advised against are identified.

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

#### Importer

Company name Hobart Food Equipment

Postal address Unit 1 / 2 Picken Street

Postcode NSW 2128

City Silverwater

Country Australia

Telephone number 02 9714 0200

Website <http://www.hobartfood.com.au>

### 1.4. Emergency telephone number

Emergency telephone Description: National Poison Information Centre: 13 11 26

## SECTION 2: Hazards identification

### 2.1. Classification of substance or mixture

Classification according to Eye Irrit. 2; H319

Regulation (EC) No 1272/2008

[CLP / GHS]

Aquatic Chronic 3; H412

CLP classification, comments

Classified as Hazardous according to the Globally System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations Australia.  
Classified as Not Dangerous Goods according to Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Substance / mixture hazardous properties

For further information, please refer to section 11.

Additional information on classification

The information stated in this MSDS, applies for the concentrated product. See Sec. 16, for information regarding recommended user solutions

**2.2. Label elements**

**Hazard pictograms (CLP)**



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice / attention.  
P273 Avoid release to the environment.

**2.3. Other hazards**

Health effect

May cause minor irritation on skin contact. See section 11 for additional information on health hazards.

Environmental effects

The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well.  
This product does not contain any PBT or vPvB substances.

**SECTION 3: Composition / information on ingredients**

**3.2. Mixtures**

Substance	Identification	Classification	Contents
BUTYLALCOXYLATE	REACH Reg. No.: 02-2119630717-36-XXXX	Acute tox. 4; H302	5 - 15 %
Benzenesulfonic acid, (1-methylethyl) -, sodium salt	CAS No.: 28348-53-0 EC No.: 248-983-7	Eye Irrit. 2; H319	1 - 5 %
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH Reg. No.: 01-2119457558-25-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	1 - 5 %
Citric acid, monohydrate	CAS No.: 5949-29-1 EC No.: 201-069-1 REACH Reg. No.:	Eye Irrit. 2; H319	1 - 5 %

	01-2119457026-42-xxxx		
oxirane, 2-methyl-, polymer with oxirane, monoisotridecyl ether, block	CAS No.: 196823-11-7 / 50861-66-0	Eye Irrit. 2; H319	1 -5 %
Dipropyleneglycolmonomethylether	CAS No.: 34590-94-8 EC No.: 252-104-2		1 -5 %
Zinc sulphate (monohydrate)	CAS No.: 7446-19-7 Index No.: 030-006-00-9	Acute tox. 4; H302; Eye Dam. 1; H318; Aquatic Acute 1; H400; M-factor 1; Aquatic Chronic 1; H410; M-factor 1;	< 1 %

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Remove affected person from source of contamination.
Inhalation	Fresh air. Get medical attention if any discomfort continues.
Skin contact	Rinse with water. Contact physician if discomfort continues.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. If eye irritation persists: Obtain medical attention and bring these instructions.
Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
Recommended personal protective equipment for first aid responders	Wear necessary protective equipment. For personal protection, see section 8.

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

Acute symptoms and effects	Irritation, burning, lachrymation, blurred vision after liquid splash.
Delayed symptoms and effects	No known long term effects.

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

Other information	If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide, foam or water spray.
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### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable. During fire, gases hazardous to health may be formed.
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### 5.3. Advice for firefighters

Personal protective equipment	Wear necessary protective equipment. For personal protection, see section 8.
Fire fighting procedures	Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Avoid breathing fire vapours.

## SECTION 6: Accidental release measures

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

Personal protection measures	Wear necessary protective equipment. For personal protection, see section 8. In case of spills, beware of slippery floors and surfaces.
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### 6.2. Environmental precautions

Environmental precautionary measures	Contact local authorities in case of spillage to drain/aquatic environment.
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### 6.3. Methods and material for containment and cleaning up

Cleaning method	Smaller quantities of residue may be collected by an absorbent. Wash contaminated area with water.
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### 6.4. Reference to other sections

Other instructions	See section 8 and section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	Avoid spilling, skin and eye contact. Use work methods which minimize spreading of vapours, dust, smoke, aerosols, splashes etc. to the extent technically possible.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in a cool dry well-ventilated area. Store in original packages as approved by manufacture. Store away from oxidising agents and acid. Protect from freezing. Keep container closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Provide a catch-tank in a bunded area. Ensure that storage conditions comply with applicable local and national regulations.
Conditions to avoid	Keep away from chlorine. Keep away from ammonium salts. Keep away from aluminium, tin, zinc, and galvanised iron. Prevent long contact with glass surfaces

### Conditions for safe storage

Storage temperature	Value: -10 - 35 °C
Storage stabilit	Durability: 36 months.

### 7.3. Specific end use(s)

Specific use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Value	TWA Year
BUTYLALCOXYLATE			
Benzenesulfonic acid, (1-methylethyl) -, sodium salt	CAS No.: 28348-53-0		
Propan-2-ol	CAS No.: 67-63-0	TWA (8h) : 200 ppm TWA (8h) : 490 mg/m <sup>3</sup>	TWA Year: 2011
Citric acid, monohydrate	CAS No.: 5949-29-1		
oxirane, 2-methyl-, polymer with oxirane, monoisotridecyl ether, block	CAS No.: 196823-11-7 / 50861-66-0		
Dipropyleneglycolmonomethylether	CAS No.: 34590-94-8	TWA (8h) : 308 mg/m <sup>3</sup> TWA (8h) : 50 ppm	TWA Year: 2005
Zinc sulphate (monohydrate)	CAS No.: 7446-19-7		

### DNEL / PNEC

Substance

Propan-2-ol

DNEL

**Group:** Consumer

**Route of exposure:** Long-term inhalation (systemic)

**Value:** 89 mg/m<sup>3</sup>
**Comments:** ECHA

**Group:** Professional

**Route of exposure:** Long-term dermal (systemic)

**Value:** 888 mg/kg bw/day

**Comments:** ECHA

**Group:** Professional

**Route of exposure:** Long-term inhalation (systemic)

**Value:** 500 mg/m<sup>3</sup>
**Comments:** ECHA

**Group:** Consumer

**Route of exposure:** Long-term dermal (systemic)

**Value:** 319 mg/kg bw/day

**Comments:** ECHA

**Group:** Consumer

**Route of exposure:** Long-term oral (systemic)

**Value:** 26 mg/kg bw/day

**Comments:** ECHA

PNEC

**Route of exposure:** Sewage treatment plant STP

**Value:** 2251 mg/l

**Route of exposure:** Soil

**Value:** 25 mg/kg

**Route of exposure:** Freshwater  
**Value:** 140,9 mg/l  
  
**Route of exposure:** Saltwater sediments  
**Value:** 552 mh/kg  
  
**Route of exposure:** Freshwater sediments  
**Value:** 552 mg/kg  
  
**Route of exposure:** Saltwater  
**Value:** 140,9 mg/l  
  
**Value:** 140,9  
**Comments:** Intermittent releases

## 8.2. Exposure controls

### Precautionary measures to prevent exposure

Appropriate engineering controls	This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapour/mist below the exposure standards, suitable respiratory protection must be worn.
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### Eye / face protection

Suitable eye protection	Wear tight-fitting goggles or face shield.
Eye protection, comments	Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand protection

Skin- / hand protection, long term contact	Under normal conditions of use gloves are not normally required.
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### Skin protection

Additional skin protection measures	No special precautions.
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### Respiratory protection

Respiratory protection necessary at	Under normal conditions of use respiration protection should not be required.
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### Thermal hazards

Thermal hazards	See section 5.
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### Appropriate environmental exposure control

Environmental exposure controls	See section 6.
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## SECTION 9: Physical and chemical properties

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

Physical state	Fluid.
Colour	Colourless.
Odour	No characteristic odour.
pH	Status: In delivery state Value: ~ 2,2  Status: In aqueous solution Value: ~ 3,5 Concentration: 0,2 %
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Comments: Not relevant.
Flash point	Comments: Not relevant.
Evaporation rate	Comments: Not relevant.
Flammability (solid, gas)	Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Vapour density	Comments: Not relevant.
Bulk density	Value: ~ 1,05 kg/l
Solubility	Comments: Completely soluble in water.
Partition coefficient: n-octanol/ water	Comments: Not relevant.
Spontaneous combustability	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Value: < 50 mPa s
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

### 9.2. Other information

#### Other physical and chemical properties

Comments	No data recorded.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No data recorded.

### 10.4. Conditions to avoid

Conditions to avoid No data recorded.

### 10.5. Incompatible materials

Materials to avoid No data recorded.

### 10.6. Hazardous decomposition products

Hazardous decomposition products In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Substance BUTYLALCOXYLATE

Acute toxicity  
**Type of toxicity:** Acute  
**Effect tested:** LD50  
**Route of exposure:** Oral  
**Value:** 200-2000 mg/kg  
**Animal test species:** Rat  
**Comments:** Supplier MSDS

Substance Propan-2-ol

Acute toxicity  
**Type of toxicity:** Acute  
**Effect tested:** LD50  
**Route of exposure:** Oral  
**Value:** 5840 mg/kg  
**Animal test species:** Rat  
**Test reference:** OECD Guideline 401  
**Comments:** ECHA

**Type of toxicity:** Acute  
**Effect tested:** LC50  
**Route of exposure:** Inhalation.  
**Duration:** 6 hour(s)  
**Value:** > 10000 ppm  
**Animal test species:** Rat  
**Test reference:** OECD Guideline 403  
**Comments:** ECHA

**Type of toxicity:** Acute  
**Effect tested:** LD50  
**Route of exposure:** Dermal  
**Duration:** 24 hour(s)  
**Value:** 16,4 ml/kg



Substance	Animal test species: Rabbit Test reference: OECD Guideline 402 Comments: ECHA
Acute toxicity	Citric acid, monohydrate  Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 3000 mg/kg Animal test species: Rat  Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 5400 mg/kg Animal test species: Mice
Other toxicological data	Toxicological tests on the product has not been performed.

**Other information regarding health hazards**

Assessment of acute toxicity, classification	No evidence for acute toxicity.
Inhalation	No known chronic or acute health risks.
Skin contact	Skin irritation is not anticipated when used normally.
Eye contact	Splashes will irritate and cause redness and pain.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.
Sensitisation	No evidence for respiratory nor skin sensitization.
Mutagenicity	No evidence for germ cell mutagenicity.
Carcinogenicity, other information	No evidence for carcinogenicity.
Reproductive toxicity	No evidence for reproductive toxicity.
Assessment of specific target organ SE, classification	No evidence for STOT-single exposure.
Assessment of specific target organ toxicity RE, classification	No evidence for STOT-repeated exposure.
Assessment of aspiration hazard, classification	No evidence for aspiration hazard.

**Symptoms of exposure**

Symptoms of overexposure	No specific symptoms noted.
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**SECTION 12: Ecological information**

**12.1. Toxicity**

Substance	BUTYLALCOXYLATE
Acute aquatic, fish	Value: > 100 mg/l Test duration: 96h

Substance	Benzenesulfonic acid, (1-methylethyl)-, sodium salt
Acute aquatic, fish	<b>Species:</b> Bracydanio rerio <b>Method:</b> LC50, OECD 203 <b>Test reference:</b> Supplier MSDS
Substance	Propan-2-ol
Acute aquatic, fish	<b>Value:</b> > 96 mg/l <b>Test duration:</b> 96h <b>Species:</b> Fish <b>Method:</b> LC50
Substance	Citric acid, monohydrate
Acute aquatic, fish	<b>Value:</b> 440-760 mg/L <b>Test duration:</b> 96h <b>Species:</b> Leuciscus idus <b>Method:</b> LC50
Substance	oxirane, 2-methyl-, polymer with oxirane, monoisotridecyl ether, block
Acute aquatic, fish	<b>Value:</b> 1 - 10 mg/l <b>Test duration:</b> 96h <b>Species:</b> Brachydanio rerio <b>Method:</b> LC50
Substance	BUTYLALCOXYLATE
Acute aquatic, algae	<b>Value:</b> > 100 mg/l <b>Test duration:</b> 72h <b>Species:</b> Scenedesmus Subspicatus <b>Test reference:</b> Supplier MSDS
Substance	Benzenesulfonic acid, (1-methylethyl)-, sodium salt
Acute aquatic, algae	<b>Value:</b> > 1000 mg/l <b>Test duration:</b> 72h <b>Species:</b> Algae <b>Method:</b> IC50
Substance	Propan-2-ol
Acute aquatic, algae	<b>Value:</b> 1800 mg/l <b>Test duration:</b> 8 day(s) <b>Species:</b> Scenedesmus quadricauda <b>Method:</b> TGK
Substance	Citric acid, monohydrate
Acute aquatic, algae	<b>Value:</b> 640 mg/L <b>Test duration:</b> 168h <b>Species:</b> Scenedesmus quadricauda <b>Method:</b> EC0
Substance	oxirane, 2-methyl-, polymer with oxirane, monoisotridecyl ether, block
Acute aquatic, algae	<b>Value:</b> 10 - 100 mg/l

	<p><b>Test duration:</b> 72h  <b>Species:</b> -  <b>Method:</b> EC50</p>
Substance	Benzenesulfonic acid, (1-methylethyl)-, sodium salt
Acute aquatic, Daphnia	<p><b>Value:</b> &gt; 450 mg/l  <b>Test duration:</b> 48h  <b>Species:</b> Daphnia  <b>Method:</b> EC50</p>
Substance	Propan-2-ol
Acute aquatic, Daphnia	<p><b>Value:</b> 9715 mg/l  <b>Test duration:</b> 24 hour(s)  <b>Species:</b> Daphnia magna  <b>Method:</b> LC50</p>
Substance	Citric acid, monohydrate
Acute aquatic, Daphnia	<p><b>Value:</b> 120 mg/L  <b>Test duration:</b> 72h  <b>Species:</b> Daphnia Magna  <b>Method:</b> EC100</p>
Substance	oxirane, 2-methyl-, polymer with oxirane, monoisotridecyl ether, block
Acute aquatic, Daphnia	<p><b>Value:</b> 1 - 10 mg/l  <b>Test duration:</b> 48h  <b>Species:</b> Daphnia  <b>Method:</b> EC50</p>
Ecotoxicity	The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.
Aquatic, comments	No data available for the product.

**12.2. Persistence and degradability**

Substance	BUTYLALCOXYLATE
Biodegradability	<p><b>Value:</b> &gt; 60 %  <b>Method:</b> OECD 301 F  <b>Test period:</b> 28d</p>
Substance	Propan-2-ol
Biodegradability	<p><b>Value:</b> 95 %  <b>Method:</b> OECD 301E  <b>Test period:</b> 21 day(s)</p>
Substance	Citric acid, monohydrate
Biodegradability	<p><b>Value:</b> 97%  <b>Method:</b> OECD 301B  <b>Test period:</b> 28d</p>
Substance	oxirane, 2-methyl-, polymer with oxirane, monoisotridecyl ether, block
Biodegradability	<p><b>Value:</b> ≥ 90 %  <b>Method:</b> Mod. OECD 301E</p>

Persistence and degradability, comments

The product is easily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential

The product is not bioaccumulating.

### 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

PBT assessment results

This substance is not classified as PBT or vPvB.

### 12.6. Other adverse effects

Environmental details, summation

Product is harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Specify the appropriate methods of disposal

Do not empty into drains. Dispose of this material, waste, residues and packaging in accordance with local authority requirements.

## SECTION 14: Transport information

Dangerous goods

No

### 14.1. UN number

Comments

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

### 14.2. UN proper shipping name

Comments

Not relevant.

### 14.3. Transport hazard class(es)

Comments

Not relevant.

### 14.4. Packing group

Comments

Not relevant.

### 14.5. Environmental hazards

Comments

Not relevant.

### 14.6. Special precautions for user

Special safety precautions for user

Not relevant.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### Additional information

Additional information

Not relevant.

## SECTION 15: Regulatory information

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

Other label information

Regulatory information

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling

of Medicines and Poisons (SUSMP).

Poisons Schedule

S6

### 15.2. Chemical safety assessment

Chemical safety assessment performed

No

## SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)

H225 Highly flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H318 Causes Serious eye damage.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]

Eye Irrit. 2; H319  
 Aquatic Chronic 3; H412

Training advice

No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

Additional information

READY-TO-USE MIXTURE: 0,01% Does not require a hazard warning label.

Key literature references and sources for data

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice  
 Standard for the Uniform Scheduling of Medicines and Poisons.  
 Australian Code for the Transport of Dangerous Goods by Road & Rail.  
 Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens,  
 restricted carcinogens and restricted hazardous chemicals.  
 Workplace exposure standards for airborne contaminants, Safe work Australia.  
 American Conference of Industrial Hygienists (ACGIH)

Information added, deleted or revised	Global ly Harmonised System of classification and labelling of chemicals. Nyt HMS-datablad
User notes	Contact Person/Point The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.
Version	2
Prepared by	ALM
Comments	END OF SDS