SAFETY DATA SHEET

**Ecovate Washing Up Liquid**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

# Product identifier

*Trade name:* Ecovate Washing Up Liquid

*Product no.:*

47100

14967

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

*Relevant identified uses of the substance or mixture:* Cleaning product

Restricted to professional users.

*Uses advised against :* Washing and Cleaning Products (including solvent based products)

# Details of the supplier of the safety data sheet

*Company and address:*

*E-mail: Revision: SDS Version:*

# Emergency telephone number

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**Biovate Hygienics Ltd**

Grafton House

Pury Hill Business Park NN12 7LS Towcester United Kingdom [www.biovatehygienics.com](http://www.biovatehygienics.com/)

sales@biovatehygienics.com 24/08/2023

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Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 “First aid measures”.

**SECTION 2: HAZARDS IDENTIFICATION**

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

# Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.

# Label elements

*Hazard pictogram(s):  Signal word:* Warning

*Hazard statement(s):* Causes serious eye irritation. (H319)

*Precautionary statement(s):*

*General:* -

*Prevention:* Wear eye protection. (P280)

*Response:* If eye irritation persists: Get medical advice/attention. (P337+P313)

*Storage:* -

*Disposal:* -

*Hazardous substances:* Alcohols, C12-14, ethoxylated, sulfates, sodium salts

1,2-benzisothiazol-3(2H)-one;1,2- benzisothiazolin-3-one

*Additional labelling:* Not applicable.

# 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**

# Substances

Not applicable. This product is a mixture.

# Mixtures

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Product/substance** | **Identifiers** | **% w/w** | **Classification** | **Note** |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | CAS No.: 68891-38-3EC No.: 500-234-8 UK-REACH:Index No.: | 3-5% | Skin Irrit. 2, H315 Eye Dam. 1, H318Aquatic Chronic 3, H412 | [19] |
| 1,2-benzisothiazol-3(2H)- one;1,2-benzisothiazolin- 3-one | CAS No.: 2634-33-5EC No.: 220-120-9 UK-REACH:Index No.: 613-088-00-6 | <0.01% | Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318Aquatic Acute 1, H400 (M=10) |  |

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

# Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

**SECTION 4: FIRST AID MEASURES**


# Description of first aid measures

*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:* If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor.

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.

# Most important symptoms and effects, both acute and delayed

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

# Indication of any immediate medical attention and special treatment needed

If eye irritation persists: Get medical advice/attention.

# Information to medics

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

**SECTION 5: FIREFIGHTING MEASURES**

# 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.

# Special hazards arising from the substance or mixture

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

Halogenated compounds Some metal oxides

# Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

# Personal precautions, protective equipment and emergency procedures

No specific requirements.

# Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. Keep unauthorized persons away from the spill

# 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.

# 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**

# 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.

# 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:* No specific requirements

*Incompatible materials:* Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

# Specific end use(s)

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

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

# Control parameters

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

# DNEL

1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one

|  |  |  |
| --- | --- | --- |
| **Duration:** | **Route of exposure:** | **DNEL:** |
| Long term – Systemic effects - General population | Dermal | 345 µg/kgbw/day |

|  |  |  |
| --- | --- | --- |
| Long term – Systemic effects - Workers | Dermal | 966 µg/kgbw/day |
| Long term – Systemic effects - General population | Inhalation | 1.2 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 6.81 mg/m³ |

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

|  |  |  |
| --- | --- | --- |
| **Duration:** | **Route of exposure:** | **DNEL:** |
| Long term – Local effects - General population | Dermal | 79 µg/cm² |
| Long term – Local effects - Workers | Dermal | 132 µg/cm² |
| Long term – Systemic effects - General population | Dermal | 1650 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 2750 mg/kg bw/day |
| Long term – Systemic effects - General population | Inhalation | 52 mg/m³ |
| Long term – Systemic effects - Workers | Inhalation | 175 mg/m³ |
| Long term – Systemic effects - General population | Oral | 15 mg/kg bw/day |

# PNEC

1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one

|  |  |  |
| --- | --- | --- |
| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
| Freshwater |  | 4.03 µg/L |
| Freshwater sediment |  | 49.9 µg/kg |
| Intermittent release (freshwater) |  | 1.1 µg/L |
| Intermittent release (marine water) |  | 110 ng/L |
| Marine water |  | 403 ng/L |
| Marine water sediment |  | 4.99 µg/kg |
| Sewage treatment plant |  | 1.03 mg/L |
| Soil |  | 3 mg/kg |

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

|  |  |  |
| --- | --- | --- |
| **Route of exposure:** | **Duration of Exposure:** | **PNEC:** |
| Freshwater |  | 240 µg/L |
| Freshwater sediment |  | 916.8 µg/kg |
| Intermittent release (freshwater) |  | 71 µg/L |
| Marine water |  | 24 µg/L |
| Marine water sediment |  | 91.7 µg/kg |
| Sewage treatment plant |  | 10 g/L |
| Soil |  | 7.5 mg/kg |

# 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 gas or dust.

*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 special when used as intended.

# Individual protection measures, such as personal protective equipment

*Generally:* Use only UKCA marked protective equipment.

*Respiratory Equipment:*

No specific requirements

*Skin protection:*

No specific requirements.

*Hand protection:*

No specific requirements.

*Eye protection:*

|  |  |  |
| --- | --- | --- |
| **Type** | **Standards** |  |
| Safety glasses | EN166 |  |



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# Information on basic physical and chemical properties

*Physical state:* Testing not relevant or not possible due to the nature of the product.

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

*Odour / Odour threshold:* Testing not relevant or not possible due to the nature of the product.

*pH:* Testing not relevant or not possible due to

the nature of the product.

*Density (g/cm³):* Testing not relevant or not possible due to the nature of the product.

*Kinematic viscosity:* Testing not relevant or not possible due to the nature of the product.

*Particle characteristics:* Testing not relevant or not possible due to the nature of the product.

# Phase changes

*Melting point/Freezing point (°C):* Testing not relevant or not possible due to the nature of the product.

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

*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.

# Other information

*Other physical and chemical parameters:* No data available.

*Oxidizing properties:* Testing not relevant or not possible due to the nature of the product.

**SECTION 10: STABILITY AND REACTIVITY**

# Reactivity

No data available.

# Chemical stability

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

# Possibility of hazardous reactions

None known.

# Conditions to avoid

None known.

# Incompatible materials

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

# Hazardous decomposition products

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

**SECTION 11: TOXICOLOGICAL INFORMATION**

# Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity**

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

# Skin corrosion/irritation

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

# Serious eye damage/irritation

Causes serious eye irritation.

# 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.

# Information on other hazards Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to

skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

# Endocrine disrupting properties

Not applicable.

# Other information

None known.

**SECTION 12: ECOLOGICAL INFORMATION**

# Toxicity

No data available.

# Persistence and degradability

No data available.

# Bioaccumulative potential

No data available.

# Mobility in soil

No data available.

# 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.

# Endocrine disrupting properties

Not applicable.

# Other adverse effects

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

# 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste. Dispose of contents/container to an approved waste disposal plant.

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

# EWC code

Not applicable.

# Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

**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.

# Special precautions for user

Not applicable.

# Maritime transport in bulk according to IMO instruments

No data available.

**SECTION 15: REGULATORY INFORMATION**

# 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.

*Labelling of contents according to Detergents*

*Regulation (EC) No 648/2004:* < 5%

* + - Anionic surfactants
		- Preservation agent (BENZISOTHIAZOLINONE)

*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.

# Chemical safety assessment

No

**SECTION 16: OTHER INFORMATION**

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

H302, Harmful if swallowed. H315, Causes skin irritation.

H317, May cause an allergic skin reaction. H318, Causes serious eye damage.

H400, Very toxic to aquatic life.

H412, Harmful to aquatic life with long lasting effects.

# Abbreviations and acronyms

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

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 (European conformity)

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

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

# The safety data sheet is validated by

Biovate Hygienics

# 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

Ecovate Washing Up Liquid

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