

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

1.1. Product identifier

Product form : Mixture
Product name : BioHygiene OdourCore Pro
Product code : BH301
UFI Code : 01FV-U1K3-C000-EFTM

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Concentrated powerful Multi Surface Cleaner & Odour Neutraliser

1.2.2. Uses advised against

Restrictions on use : Not for direct application to food stuffs, Not for oral consumption

1.3. Details of the supplier of the safety data sheet

BioHygiene
UK Supplier: Biological Preparations Ltd, Unit A-C, 12 Pantglas Ind Estate, Bedwas, Caerphilly, CF83 8DR
EU Supplier: Biological Preparations Ltd, Penthouse, Floor, 5 Lapp's Quay, Cork
T UK: +44(0) 29 2067 4090 EU: +353 (0) 212 028019

1.4. Emergency telephone number

Country/Area	Organisation	Emergency number
United Kingdom	NHS 111/NHS 24/NHS Direct.	111 0845 4647 or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Serious eye damage/eye irritation, Category 2 H319
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP)



GHS07

Signal word (GB CLP)

: Warning

Hazard statements (GB CLP)

: H319 - Causes serious eye irritation.

Precautionary statements (GB CLP)

: P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection when handling product concentrate.
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 attention.

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

2.3. Other hazards

Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	C08-10 Alkyl glucoside (68515-73-1), Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast Starmerella Bombicola (2821849-04-9)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	C08-10 Alkyl glucoside (68515-73-1), Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast Starmerella Bombicola (2821849-04-9)

Results of Endocrine Disruptor assessment

Component	
Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	C08-10 Alkyl glucoside (68515-73-1), Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast Starmerella Bombicola(2821849-04-9)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
C08-10 Alkyl glucoside	CAS-No.: 68515-73-1 EC-No.: 500-220-1	1 – 3	Eye Dam. 1, H318
Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast Starmerella Bombicola	CAS-No.: 2821849-04-9 EC-No.: 941-810-2	1 – 3	Eye Irrit. 2, H319

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: To our knowledge, the product does not present any particular risk, under normal conditions of use. Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Call a POISON CENTER/doctor if you feel unwell.

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

Symptoms/effects	: Causes serious eye irritation.
Symptoms/effects after inhalation	: May cause slight irritation.
Symptoms/effects after skin contact	: May cause slight irritation to the skin.

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Symptoms/effects after eye contact : May cause eye irritation.
Symptoms/effects after ingestion : May cause irritation to the digestive tract.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.
Explosion hazard : Product is not explosive.
Reactivity in case of fire : Product is not explosive.
Hazardous decomposition products in case of fire : On heating irritating fumes to eyes or skin may be produced.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Always wash hands after handling the product.

6.1.1. For non-emergency personnel

Protective equipment : No special requirement. Avoid contact with skin.
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.
Measures in case of dust release : Not applicable (aqueous liquid).

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

This product does not present any particular risk for the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Stop leak without risks if possible.
Methods for cleaning up : Wash the spillage site with large amounts of water.
Other information : Small amount of unwanted product may be flushed with water to sewer.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Ensure spraying away from persons.
Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes.
Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Storage conditions : Store in a dry place. Store in a closed container. Keep cool.
Incompatible products : Strong alkalis. Strong acids.

7.3. Specific end use(s)

All Surface Cleaner.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

BioHygiene OdourCore Pro	
United Kingdom - Occupational Exposure Limits	
Remark	Contains no substances with occupational work exposure limits.

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

C08-10 Alkyl glucoside (68515-73-1)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	595000 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	420 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	35.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	124 mg/m ³
Long-term - systemic effects, dermal	357000 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.176 mg/l
PNEC aqua (marine water)	0.0176 mg/l
PNEC aqua (intermittent, freshwater)	0.27 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1516 mg/kg dwt
PNEC sediment (marine water)	0.152 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.654 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	111.11 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	560 mg/l

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast *Starmerella Bombicola* (2821849-04-9)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	3.89 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	13.7 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects, oral	1.67 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.9 mg/m³
Long-term - systemic effects, dermal	1.67 mg/kg bodyweight/day

PNEC (Water)

PNEC aqua (freshwater)	0.234 mg/l
PNEC aqua (marine water)	23.4 µg/l
PNEC aqua (intermittent, freshwater)	0.388 mg/l
PNEC aqua (intermittent, marine water)	38.8 µg/l

PNEC (Sediment)

PNEC sediment (freshwater)	5.17 mg/kg dwt
PNEC sediment (marine water)	0.517 mg/kg dwt

PNEC (Soil)

PNEC soil	0.897 mg/kg dwt
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PNEC (STP)

PNEC sewage treatment plant	10 mg/l
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8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

No special requirement.

8.2.2. Personal protection equipment

Personal protective equipment:

Wear eye protection. Handling and dilution of concentrates.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Handling and dilution of concentrates. Wear safety glasses with side shields. Use eye protection according to EN 166. Safety glasses

Eye protection

Type	Field of application	Characteristics	Standard
Safety goggles	Droplet	With side shields	EN 166

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

8.2.2.2. Skin protection

Hand protection:

In case of repeated or prolonged contact wear gloves. Always wash hands after handling the product

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Type C	Nitrile rubber (NBR)	1 (> 10 minutes)			EN ISO 374
Reusable gloves, Type A	Nitrile rubber (NBR)	2 (> 30 minutes)	>0.38mm		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions. Ensure spraying away from persons

8.2.2.4. Thermal hazards

Thermal hazard protection:

Not required.

8.2.3. Environmental exposure controls

Environmental exposure controls:

No special environmental concerns.

Consumer exposure controls:

The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterisation is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Blue.
Odour	: Pleasant.
Odour threshold	: Not available
pH	: 7 – 8
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: Not available
Density	: 1.02 – 1.03 @ 20°C
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity, kinematic	: Not available
Explosive properties	: Not available

9.2. Other information

Particle characteristics	: Not applicable
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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use. Do not mix with other products.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

High temperature. Protect from sunlight.

10.5. Incompatible materials

Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

C08-10 Alkyl glucoside (68515-73-1)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast *Starmerella Bombicola* (2821849-04-9)

LD50 oral	≈ 14089.95 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 11060 - 14130
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Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7 – 8
Serious eye damage/irritation	: Causes serious eye irritation. pH: 7 – 8
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

C08-10 Alkyl glucoside (68515-73-1)

NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast Starmerella Bombicola (2821849-04-9)

NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral))
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Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

C08-10 Alkyl glucoside (68515-73-1)

LC50 - Fish [1]	100.81 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Fish [2]	170 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	27.22 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	37 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast Starmerella Bombicola (2821849-04-9)

LC50 - Fish [1]	85 mg/l
ErC50 algae	464 mg/l

12.2. Persistence and degradability

BioHygiene OdourCore Pro

Persistence and degradability	Readily biodegradable.
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C08-10 Alkyl glucoside (68515-73-1)

Persistence and degradability	Readily biodegradable.
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Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast Starmerella Bombicola (2821849-04-9)

Persistence and degradability	Readily biodegradable.
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Additional information	OECD 301 B readily biodegradable, within 28 days
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12.3. Bioaccumulative potential

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Bioaccumulative potential	The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.
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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

C08-10 Alkyl glucoside (68515-73-1)

Bioaccumulative potential	Not potentially bioaccumulable.
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Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast *Starmerella Bombicola* (2821849-04-9)

Bioaccumulative potential	Not potentially bioaccumulable.
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12.4. Mobility in soil

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Additional information	Soluble in water
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12.5. Results of PBT and vPvB assessment

Component

C08-10 Alkyl glucoside (68515-73-1)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
Sophorolipids: fermentation products of glucose and fatty acids, C18-unsatd., esters with glycerol with yeast <i>Starmerella Bombicola</i> (2821849-04-9)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects	: No adverse affects known.
Ozone	: Not classified (Based on available data, the classification criteria are not met)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Transport document description				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

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Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. National regulations

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC).

GB PIC Regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

Safety Data Sheet (SDS), UK

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.