

SAFETY DATA SHEET
BIOHYGIENE HAIR DEGRADER

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Compilation date: 18/06/2015
Revision date: 28/01/2019
Revision No: 1

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

1.1. Product identifier

Product name: BIOHYGIENE HAIR DEGRADER

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

Use of substance / mixture: Enzymatic preparation for breaking down protein-based waste residues, thereby reducing attendant malodours.

1.3. Details of the supplier of the safety data sheet

Company name: BioHygiene
Beaufort Court
Atlantic Wharf
Cardiff
CF10 4AH
United Kingdom
Tel: + 44 (0) 29 2067 4094
Email: info@biohygiene.co.uk

1.4. Emergency telephone number

Emergency tel: + 44 (0) 29 2067 4094 Mon- Fri 8am - 5pm

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; Skin Sens. 1A: H317; -: EUH208

Most important adverse effects: May cause an allergic skin reaction. Causes serious eye damage. Contains subtilisin.
May produce an allergic reaction.

2.2. Label elements

Label elements:

Hazard statements: H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
EUH208: Contains subtilisin. May produce an allergic reaction.

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark



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Signal words: Danger

Precautionary statements: P102: Keep out of reach of children.
P261: Avoid breathing fumes.
P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves and eye protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call physician.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.

2.3. Other hazards

Other hazards: Contains enzymes. May produce an allergic reaction. Use in a well ventilated area. Avoid breathing product spray.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

PROPANE-1,2-DIOL - REACH registered number(s): 01-2119457558-25

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-338-0	57-55-6	Substance with a Community workplace exposure limit.	-	5-50%

ALCOHOLS C9-C11 ETHOXYLATED

-	68439-46-3	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-5%
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CALCIUM THIOGLYCOLATE

249-881-5	29820-13-1	-	Skin Sens. 1: H317; STOT SE 3: H335; Met. Corr. 1: H290; Acute Tox. 4: H302; Eye Irrit. 2: H319	1-5%
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PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-5%
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SUBTILISIN

232-752-2	9014-01-1	-	STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Resp. Sens. 1: H334; Aquatic Acute 1: H400	0.1-1%
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Contains: CALCIUM THIOGLYCOLATE; ALCOHOLS C9-C11 ETHOXYLATED

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** Rinse mouth and throat with water and give sips of water to drink.
- Inhalation:** Remove victim to fresh air and seek medical attention if symptoms occur.

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

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and redness. The eyes may water profusely. There may be severe pain. May cause permanent damage.
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** Exposure may cause coughing or wheezing.
- Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

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6.2. Environmental precautions

Environmental precautions: No special environmental concerns.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

PROPANE-1,2-DIOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	150 ppm	-	474 mg/m ³	-

PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required. Use in a well ventilated area.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Avoid contact with the eyes. Ensure eye bath is to hand.

Skin protection: Not applicable.

Section 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Colourless
Odour: Citrus
Evaporation rate: No data available.
Oxidising: No data available.
Solubility in water: Soluble
Viscosity: No data available.
Boiling point/range°C: >100
Flammability limits %: lower: No data available.
Flash point°C: No data available.
Autoflammability°C: No data available.
Relative density: 1.01 g/cm³
VOC g/l: No data available.

Melting point/range°C: >0
upper: No data available.
Part.coeff. n-octanol/water: No data available.
Vapour pressure: No data available.
pH: 9-10

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: No data available.

Section 11: Toxicological information

11.1. Information on toxicological effects

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Hazardous ingredients:

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

SUBTILISIN

ORL	RAT	LD50	3700	mg/kg
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Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely. There may be severe pain. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

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Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Small amounts of unwanted product may be flushed with water to sewer.

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH208: Contains subtilisin. May produce an allergic reaction.

H225: Highly flammable liquid and vapour.

H290: May be corrosive to metals.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H400: Very toxic to aquatic life.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.