

Material Safety Data Sheet

Vetaclean Enzymatic Detergent - Cleaner

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

1.1 Product identification

Product name(s): Vetaclean Enzymatic Detergent - Cleaner
 Product code(s): XHG 091

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

Relevant identified uses: Cleaner
 Uses advised against: For professional use only
 Reasons why uses advised against: -

1.3 Details of the supplier of the safety data sheet

Company name: Animalcare Limited
 Address: 10 Great Northway
 York Business Park
 Nether Poppleton
 York
 YO26 6RB
 United Kingdom

1.4 Emergency telephone number

Daytime: +44 (0) 1904 487687

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008: Skin Sens. 1: H317, -: EUH208

2.2 Label elements

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms:



Signal word: Warning

Hazard statements: H317: May cause an allergic skin reaction.
 EUH208: Contains amylase, alpha-, lipase enzyme, subtilisin. May produce an allergic reaction

Precautionary statements: P261: Avoid breathing vapours.
 P280: Wear protective gloves.
 P302+350: IF ON SKIN: Gently wash with plenty of soap and water.
 P333+313: If skin irritation or rash occurs: Get medical attention

Supplemental information: May cause an allergic skin reaction. Contains amylase, alpha-, lipase enzyme, subtilisin. May produce an allergic reaction

2.3 Other hazards

Hazard(s) not otherwise classified (HNOC): None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<i>Substance name in the mixture</i>	<i>CAS No</i>	<i>Quantity</i>	<i>Classification according to Reg EC 1278/2008 (CLP)</i>
PROPAN-2-OL	[67-63-0]	1 – 5 %	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336
BORIC ACID	[10043-35-3]	1 – 5 %	Repr. 1B: H360FD
AMYLASE, ALPHA	[9000-90-2]	0.1 – 1 %	Resp. Sens. 1: H334
SUBTILISIN	[9014-01-1]	0.1 – 1 %	STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Resp. Sens. 1: H334; Aquatic Acute 1: H400
LIPASE ENZYME	[9001-62-1]	< 0.1%	Resp. Sens. 1: H334
1,2-BENZISOTHIAZOLIN-3-ONE	[2634-33-5]	< 0.1%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Acute 1: H400

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eyes:	Bathe the eye with running water for 15 minutes
Skin:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water
Ingestion:	Rinse mouth.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so

4.2 Most important symptoms and effects, both acute and delayed

There may be irritation and redness at the site of contact. Exposure may cause coughing or wheezing

4.3 Indication of any immediate medical attention and special treatment needed

No specific measures identified. Seek medical advice if required

SECTION 5: FIRE- FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Unsuitable extinguishing media:	None known

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting:	Not flammable or combustible
Hazardous combustion products:	Decomposition products may include the following materials: Carbon oxides (CO _x), nitrogen oxides (NO _x)

5.3 Advice for fire-fighters

Special protective equipment for firefighters:	Use personal protective equipment
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Further information:

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Refer to protective measures listed in sections 7 and 8

Advice for emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials

6.2 Environmental precautions

Make sure spills can be contained, e.g. in sump pallets or kerbed areas. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Large spills: Dike spilled material or otherwise contain material to ensure runoff does not reach a waterway

Small spills: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water

6.4 Reference to other sections

See Section 1 for emergency contact information

See section 8 for personal protection

See Section 13 for additional waste treatment information

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on safe handling: Handling requirements: avoid direct contact with the substance. Avoid the formation or spread of mists in the air

Hygiene measures: None identified

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Store in a cool, well ventilated area. Keep container tightly closed.

Storage temperature: Store in a cool place

Further information on storage conditions: Protect from direct incidence of light

7.3 Specific end use(s)

Professional use

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

The following constituents are the only constituents of the product which have a PEL, TLV, TWA or other recommended exposure limit. At this time, the other constituents have no known exposure limits

<i>Substance name in the mixture</i>	<i>Type</i>	<i>Value</i>
Propan-2-ol	TWA 8h	999 mg/m ³
1,2-BENZISOTHIAZOLIN-3-ONE	DNEL	111

8.2 Exposure controls

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants

Individual protection measures:

Hygiene measures: No specific measures identified

Eye/face protection: Avoid contact with the eyes. Ensure eye bath is to hand

Skin/body protection: No specific measures identified

Hand protection: Impermeable gloves

Respiratory protection: None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, 89/686/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

Environmental exposure controls: Consider the provision of containment around storage vessels

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour:	Green
Odour:	Characteristic odour
Odour threshold:	No data available
pH:	7
Density:	No data available
Melting point:	No data available
Boiling point:	> 100 °C
Flash point:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Water solubility:	Soluble
Partition coefficient:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Explosive properties:	No data available
Oxidizing properties:	The substance or mixture is not classified as oxidizing

9.2 Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under normal conditions of normal use

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No dangerous reaction known under normal conditions of normal use

10.4 Conditions to avoid

Heat

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids

10.6 Hazardous decomposition products

Decomposition products may include the following materials: Carbon oxides nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Propan-2-ol LD ₅₀ 1088 mg/kg (Rat, IV) Propan-2-ol LD ₅₀ 5045 mg/kg (Rat, Oral) Propan-2-ol LD ₅₀ 3600 mg/kg (Mouse, Oral) Amylase, Alpha LD ₅₀ > 7500 mg/kg (Rat, Oral) Subtilisin LD ₅₀ 3700 mg/kg (Rat, Oral) 1,2-Benzisothiazolin-3-one LD ₅₀ 1020 mg/kg (Rat, Oral)
Chronic toxicity:	No data available
Skin irritation/sensitization:	The mixture may cause skin sensitization
Reproductive toxicity:	No data available
Carcinogenicity:	No data available
Mutagenicity:	No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

Biodegradable

12.3 Bioaccumulative potential

No bioaccumulation potential

12.4 Mobility in soil

Readily absorbed into soil

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance

12.6 Other adverse effects

Negligible ecotoxicity

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with the European Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers

SECTION 14: TRANSPORT INFORMATION

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

Not applicable

15.2 Chemical safety assessment

For this product, a chemical safety assessment was not carried out

SECTION 16: OTHER INFORMATION



Irritant

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