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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: PROZYME

1.2 Relevant identified uses of the substance/mixture and uses advised against
ENZYME BASED ODOUR NEUTRALISER

1.3 Details of the supplier of the safety data sheet

SUPPLIER:

CHEMICAL SOLUTIONS UK
42 Kennel Lane
Fetcham
SURREY
08452500943
sales@chemical-solutions.co.uk

1.4 Emergency telephone number

07904953893

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP Regs.: Not classified as hazardous under CLP

2.2 Label elements

Label elements under CLP:

Hazard pictograms: None required

Signal Word: None stipulated

Hazard Statements: None stipulated

Precautionary statements: PREVENTION: Wear protective gloves, clothing and eye protection. Wash hands thoroughly after handling

RESPONSE: IF ON SKIN: Wash immediately with soap and water. IF IN EYES: Rinse cautiously with water for several minutes.

2.3 Other hazards

PBT: this material does not contain any substance identified as a PBT or vPvB substance

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3. Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Hazardous ingredients:

CAS	EINECS	Classification CLP	Concentration %w/w
Alcohol ethoxylate			
68439-46-3		Acute tox. 4 H302; Eye dam. 1 H318	1-3
Alpha amylase			
9000-90-2	232-565-6	Resp. sens. 1 H334	0-1
Protease enzyme			
9000-56-2	232-565-6	Resp.sens. 1 H334	0-1

See section 16 for full text of H statements

4. First aid measures

4.1 Description of first aid measures

Eye contact: Flush with clean water for at least 15 minutes. Seek medical advice if any irritation persists.

Skin contact: Wash area with soap and water. Seek medical advice if any irritation persists.

Ingestion: DO NOT induce vomiting. Give milk or water to drink and seek immediate medical attention.

Inhalation: Remove from exposure. Keep warm and at rest and seek medical assistance.

4.2 Most important symptoms and effects both acute and delayed

No further relevant information.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Product is not flammable although irritating fumes may be given off in the event of fire. Choice of extinguisher should be based on other surrounding materials. Keep containers cool with water spray.

Unsuitable agents:

5.2 Special hazards arising from the substance or mixture

Oxides of carbon and nitrogen may be produced if the product is allowed to evaporate to dryness at high temperatures.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8.

6.2 Environmental precautions

Do not allow to enter water courses.

6.3 Methods and material for containment and cleaning up

Small spillages may be rinsed away with plenty of water. Larger spillages should be contained and absorbed in inert material.

Transfer to plastic container for disposal.

6.4 Reference to other sections.

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7. Handling and storage

7.1 Precautions for safe handling

No special precautions.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container, tightly closed in a cool place.

7.3 Specific end use

See section 1.

8. Exposure controls/personal protection

8.1 Control parameters

Substances assigned Workplace Exposure Limits

Name	type	Long term (8hrTWA)	Short term (15mins)
None			

8.2 Exposure controls

Wear eye protection to prevent liquid splashes if necessary. Avoid inhalation of spray mist. When using do not eat, drink or smoke.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: White liquid.

Odour: citrus

Density at 20°C: 1.0kg/ltr

Solubility: Completely soluble in water.

pH: 7.0-8.0

Flash point: N/A

Boiling point/range:100°C

Vapour pressure: N/A

Oxidising: No

9.2 Other information

No further relevant information.

10. Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Extreme temperatures, naked flames or hot surfaces.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

Thermal decomposition may produce toxic and irritant fumes.

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11. Toxicological information

11.1 Information on toxicological effects.

Eyes: Irritation and watering.

Skin: Prolonged exposure may produce mild irritation.

Inhalation (mist): Coughing, shortness of breath, irritation to membranes of nose and throat.

Ingestion: Some irritation to mouth and throat.

Acute toxicity: No data.

12. Ecological information

12.1 Toxicity

No data for product itself but predicted to have low ecotoxicity.

12.2 Persistence and degradability

All components are biodegradable.

12.3 Bioaccumulative potential

None

12.4 Mobility in soil

Absorbed into soil.

12.5 Results of PBT and vPvB assessment

Does not contain any PBT or vPvB substances.

12.6 Other adverse effects

13. Disposal considerations

13.1 Waste treatment methods

Comply with local regulations. Do not allow concentrate to enter water systems.

14. Transport information

14.1 UN Number

Not classified as hazardous for transport.

14.2 UN Proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

15. Regulatory information

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

None.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

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16. Other information

This safety data sheet has been prepared according to EU Commission Regulation 453/2010

The information supplied in this document is based on our present state of knowledge and is given in good faith. It is not intended and should not be construed as a specification or guarantee of specific properties. The responsibility remains with the user to comply with all relevant laws, regulations and directives, to make their own assessment of workplace risks and to determine the suitability of the product for a particular use or application.

The hazards information in this data sheet refers to the material as supplied and not to any subsequent dilution or mixture. The full text of the H statements referred to in section 3 are shown below. These classifications apply to the ingredients, in their concentrated form, which contribute to the classification of the product or mixture.

H302: Harmful if swallowed.

H318: Causes serious eye damage.

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

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Goods by Road
CAS	Chemical Abstracts Service
CHIP	Chemicals (Hazard Information and Packaging) Regulations – Directives 1999/45/EC and 67/548/EC
CLP	Classification and Labelling of Chemicals – Regulation (EC) No. 1272/2008
CMR	Carcinogenic-mutagenic-toxic for reproduction
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative
RID	Convention concerning International Carriage by Rail
WEL	Workplace Exposure Limit
VOC	Volatile Organic Compound