

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

RUNZYME

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

Enzymatic root zone product.

1.3 Details of the supplier of the safety data sheet:

INTENSE NUTRIENTS LTD
UNIT 12 LOVEDERE BUSINESS PARK
GOATHURST
TA5 2DD

01278 661476

Email: INFO@INTENSENUTRIENTS.COM

1.4 Emergency phone number

For urgent medical help or advice, contact the NHS by calling 111.

Phone number: 01278 661476

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CLP: -: EUH208

Most important adverse effects: Contains cellulase. May produce an allergic reaction.

2.2 Label Elements

Label elements:

Hazard statements: EUH208: Contains cellulase. May produce an allergic reaction.

2.3 Other Hazards

Other hazards: Contains enzymes. Avoid breathing product spray.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Code : tbc

3.2 Mixtures

Hazardous components

Hazardous ingredients:

PROPAN-2-OL

EINECS	CAS	PBT/WEL	CLP Classification	Percent
200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%

CELLULASE

232-734-4	9012-54-8	-	Resp. Sens. 1: H334	0.1-1%
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Non-classified ingredients:

SUBTILISIN

EINECS	CAS	CHIP Classification	CLP Classification	Percent
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%

AMYLASE, ALPHA-

232-565-6	9000-90-2	-	Resp. Sens. 1: H334	<0.1%
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4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 Inhalation

Remove victim to fresh air and seek medical attention if symptoms occur.

4.1.2 Skin & Eye exposure

Wash immediately with plenty of soap and water.

Eyes: Bathe the eye with running water for 15 minutes.

4.1.3 Ingestion

Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

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

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

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

Not applicable.

5. FIRE-FIGHTING MEASURES

5.1 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

Not applicable.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8 of SDS for personal protection details.

6.2 Environmental Precautions

No special environmental concerns.

6.3 Methods and material for containment and cleaning up

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

Refer to section 8 of SDS.

7. HANDLING AND STORAGE

7.1 Precaution for safe handling

Avoid product spray.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Hazardous ingredients:

PROPAN-2-OL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m ³	1250 mg/m ³	-	-

DNEL / PNEC No data available.

8.2 Exposure controls

Engineering measures: No special requirement

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

Hand protection: Not required.

Eye protection: Not required. Avoid contact with the eyes.

Skin protection: Not required.

Environmental: No special requirement.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State: Liquid

Colour: Pale brown

Odour: Barely perceptible odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Soluble

Viscosity: No data available.

Boiling point/range: >100 °C

Melting point/range: >0 °C

Flammability limits %: lower: No data available. **upper:** No data available.

Flash point: No data available.

Part. coeff. n-octanol/water: No data available.

Autoflammability: No data available.

Vapour pressure: No data available.

Relative density: 1.01 g/cm³

pH: 7-8

VOC: No data available.

9.2 Other Information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid

Heat

10.5 Incompatible materials

Strong oxidising agents. Strong alkalis.

10.6 Hazardous decomposition products

No data available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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	mg/kg

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure:

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

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB

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

12.6 Other adverse effects

Negligible ecotoxicity.

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.

14. TRANSPORT INFORMATION

14.1 UN number: Product is unclassified for transport.

14.2 UN proper shipping name: Product is unclassified for transport.

14.3 Transport hazard: Product is unclassified for transport.

14.4 Packing group: Product is unclassified for transport.

14.5 Environmental hazards: Product is unclassified for transport.

14.6 Special precautions for user: Product is unclassified for transport

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Applicable for Maritime bulk transport only. Check with carrier.

15. REGULATORY INFORMATION

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

This mixture is classified and labelled in accordance with:

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures;

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been undertaken for this substance

16. OTHER INFORMATION

This Safety data sheet is compiled using data submitted for raw materials and practical experience.

This Safety Data Sheet is prepared in compliance with Regulation (EC) 1272/2008 and Annex II of the REACH regulation 453/2010.

Phrases used in s.2 and s.3:

EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

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.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN.

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