

This document is based on the SDS provided by Lamothe-Abiet and has been adapted by Blue H₂O Filtration according to The Globally Harmonised System classification and Australian requirements.

Section 1: Identification: Product identifier and chemical identity

1.1 Product identifier

Oenzym Thiol (TH), Oenzym Red Expression, Oenzym Crush Red, OenzymCrush White, Oenzym Clar, Oenzym Clear, Oenzym Crush, Oenoflow Max

1.2 Other means of identification

Enzymes; pectolytic enzymes.

1.3 Recommended use of the chemical and restrictions on use

Fruit processing; wine processing, juice processing.

1.4 Details of manufacturer or importer

Manufacturer

Lamothe-Abiet
Avenue Ferdinand de Lesseps ZA-ACTIPOLIS
33610 CANEJAN - FRANCE
P: +33557779292
e: contact@lamothe-abiet.com

Importer

Blue H₂O Filtration
1/11-13 Wells Road
Oakleigh VIC 3166
P: 03 9564 7029
e: info@blueh2o.com.au

1.5 Emergency phone number

General emergency:	000
After hours emergency:	0401 446 119
Poisons information centre	1800 251 525 or 131 126
Chemcall Australia	1800 127 406

Section 2: Hazard(s) identification

2.1 Classification of the substance and label elements

GHS classification: Health Hazard: Skin corrosion/irritation:1A, 1B, 1C, 2
Respiratory or skin sensitization:1A, 1B



Pictograms:
Signal word:

Danger

Hazard statements: H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled/ingested.

Precautionary statements: P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P285: In case of inadequate ventilation wear respiratory protection.
 P304 + P341: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P342 + P311: If experiencing respiratory symptoms call a poisons information centre and/or physician.
 P501 - Dispose of contents/container at a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.


Additional information: None.

2.2 Other hazards

Skin contact: May cause irritation on prolonged contact. Mild irritant.
Eye contact: May cause eye irritation upon direct contact. Mild irritant.
Ingestion: Ingestion could lead to intestinal discomfort (e.g. diarrhea, bloating, cramping, etc.).
Following inhalation: In some cases, repeated exposure may lead to allergic sensitization based on the exposure level, duration and susceptibility of the individual. Subsequent chronic or acute exposure in sensitized persons may cause allergic reaction within minutes or a delayed effect, or a mixture of both. Typical symptoms are respiratory irritation, breathlessness, coughing, tightness and difficulty breathing.

Section 3: Composition and information on ingredients

3.1 Ingredients and composition

Product identifier	CAS/EC numbers	Substance name/classification	Concentration
Oenzym Thiol (TH) Oenzym Red Expression Oenzym Crush Red OenzymCrush White OenzymClar	9033-35-6/232-894-5	Lyase, pectin. Danger H334 	1-15 %

Section 4: First aid measures

4.1 Description of first aid measures

Inhalation: May produce an allergic reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Provide fresh air. In case of respiratory tract irritation, consult a physician.
Skin contact: Prolonged contact may cause dermal irritation. After contact with skin, wash immediately with plenty of water and soap. Consult a physician.
If on clothing: Brush/wash off in a well-ventilated area. Clean clothing when possible.
Eye contact: Irritating to eyes. If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 10-15 minutes. Subsequently consult an ophthalmologist. Remove contact lenses if present and safe to do so. Consult a physician.
Ingestion: Rinse mouth immediately and drink plenty of water. Consult a physician.



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4.2 Symptoms caused by exposure

Repeated exposure may lead to allergic sensitization based on the exposure level, duration and susceptibility of the individual. Subsequent chronic or acute exposure in sensitized persons may cause allergic reaction within minutes or a delayed effect, or a mixture of both. Typical symptoms are respiratory irritation, breathlessness, coughing, tightness and difficulty breathing.

4.3 Medical attention and special treatment

Treat symptomatically. Consult a physician.

Section 5: Firefighting measures

5.1 Suitable extinguishing equipment

Water, carbon dioxide (CO₂), foam, extinguishing powder.

Unsuitable extinguishing media: High powder water jet.

5.2 Specific hazards

In case of fire: Toxic fumes may be released.

5.3 Special protective equipment and precautions

In case of fire: Do not attempt to take action without suitable protective equipment. Complete protective clothing. Wear self-contained breathing apparatus. Danger of slipping by leaked/spilled product.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not breathe dust/fumes/gas/mist/vapours. Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter soil/subsoil. Do not flush into the sewer system or water courses.

6.3 Methods and materials for containment and cleaning up

Avoid release to the environment. Collect mechanically. Wash with plenty of water. Ventilate affected area.

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid dust formation and aerosols. Use only in well-ventilated areas. Inhalation of dust/fumes/gas/mist/vapours may cause irritation of the respiratory system. Avoid contact with skin, eyes and clothes.

7.2 Conditions for safe storage

Keep container tightly closed in a cool (refrigerated), dry, dark and well-ventilated place.



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Section 8: Exposure controls and personal protection

8.1 Exposure control measures

None.

8.2 Biological monitoring

None.

8.3 Control banding

None.

8.4 Engineering controls

Avoid dust/aerosol formation. Provide adequate ventilation. Avoid skin contact.

8.5 Individual protection measures (PPE)

1. Eye and face protection

Safety glasses.

2. Skin protection

Hand protection: The selection of suitable gloves not only depends on the material, but also on other quality characteristics. These may vary from manufacturer to manufacturer. Since the product is a preparation from several substances, the resistance of glove materials cannot be determined in advance and must therefore be checked prior to the application.

Suitable material: The glove material has to be impermeable and resistant to the product. No specific recommendation regarding the glove material can be given for the. Select the glove material based on consideration of the penetration times, rates of diffusion and degradation.

Breakthrough time: The exact break through time must be advised by the manufacturer of the protective gloves.

3. Respiratory protection

Respiratory protection necessary if insufficient ventilation.
Suitable respiratory protection apparatus: P3/N95 mask.

4. Thermal hazards

None.

Section 9: Physical and chemical properties

9.1 Appearance

Brown/amber liquid.



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9.2 Physiochemical data

Parameter	Data	At °C	Method	Comment
Auto-ignition temperature	Not determined			
Decomposition temperature	Not determined			
Evaporation rate	Not determined			
Flammability	Not determined			
Flash point	Not determined			
Initial boiling point and range	Not determined			
Melting point	Not determined			
Freezing point	Not determined			
Odour	Not determined			
Odour threshold	Not determined			
Partition coefficient: n-octanol/water	Not determined			
pH	Not determined			
Density	Not determined			
Solubility	Not determined			
Upper/lower flammability or explosive limits	Not determined			
Vapour density	Not determined			
Vapour pressure	Not determined			
Viscosity	Not determined			

9.3 Other information

Omitted data from Table 9.2 indicates that these are not relevant to the safe usage of the product.

Section 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Chemically stable under normal conditions of usage.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Avoid heat, humidity and poor ventilation.

10.5 Incompatible materials

High temperatures (> 20 °C).

10.6 Hazardous decomposition products

No data available.



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Section 11: Toxicological information

11.1 Toxicological information relevant to health hazard category

Parameter	Data/comment
Acute toxicity	No data available.
Skin corrosion/irritation	May cause irritation on prolonged contact. OECD 404.
Serious eye damage/irritation	May cause irritation on contact. OECD 405.
Respiratory or skin sensitisation	In some cases, repeated exposure may lead to allergic sensitization based on the exposure level, duration and susceptibility of the individual. Subsequent chronic or acute exposure in sensitized persons may cause allergic reaction in minutes or a delayed effect, or a mixture of both. Typical symptoms are respiratory irritation, breathlessness, coughing, tightness in the chest and difficulty breathing.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity (STOT) – single exposure	No data available.
Specific target organ toxicity (STOT) – repeated exposure	No data available.
Aspiration hazard	No data available.

11.2 Other information

None.

Section 12: Ecological information

12.1 Ecotoxicity

The product is not considered harmful to aquatic organisms nor to cause longterm adverse effects in the environment.

12.2 Persistence and degradability

No negative effects expected. Readily biodegradable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No data available.



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Section 13: Disposal considerations

13.1 Disposal methods

Dispose of unwanted material in accordance with local regulations.

Section 14: Transport information

14.1 UN number

No data available.

14.2 Shipping or technical name

No data available.

14.3 Transport hazard class

No data available.

14.4 Packing group number

No data available.

14.5 Environmental hazards for transport purposes

No data available.

14.6 Special precautions for user

No data available.

14.7 Additional information

No data available.

14.8 Hazchem or emergency action code

No data available.

Section 15: Regulatory information

15.1 Safety, health and environmental regulations

No data available.

Section 16: Other relevant information

This information is based on our current knowledge. The information is intended to give you advice about the safe handling of the product(s) in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product(s) with other products, or in the case of processing, the information on this safety data sheet may no longer be valid.