

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 13-Dec-2016

Print date: 13-Dec-2016

Version: 3

Page 1/7



Powering Business Worldwide

SIHALACT Oeno

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

1.1. Product identifier

Trade name/designation:

SIHALACT Oeno

Additional information:

The substance does not require registration according to REACH.

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

Use of the substance/mixture:

Induction of malolactic fermentation in wine

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Eaton Technologies GmbH

Langenlonsheim Branch

An den Nahewiesen 24

55450 Langenlonsheim

Germany

Telephone: +49 6704 204-0 (Diese Nummer ist nur zu Bürozeiten besetzt.)

Telefax: +49 6704 204-121

E-mail: SDB@Eaton.com

Website: www.eaton.com/filtration

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

2.3. Other hazards

Adverse physicochemical effects:

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Adverse human health effects and symptoms:

Inhalation of dust may cause irritation of the respiratory system. Irritating to eyes and respiratory system.

Can cause frostbite. Frequently or prolonged contact with skin may cause dermal irritation.

Adverse environmental effects:

No environmental effect. are known.

SECTION 3: Composition / information on ingredients

3.1. Substances

Description:

Lactic acid bacteria of the species *Oenococcus oeni*. Freeze-dried concentrated culture of *Oenococcus oeni* produced by concentration and freeze drying of a pure fermentation of the bacteria.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 13-Dec-2016

Print date: 13-Dec-2016

Version: 3

Page 2/7



Powering Business Worldwide

SIHALACT Oeno

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

Can cause frostbite.

After contact with skin, wash immediately with plenty of water and soap.

IF ON CLOTHING: Change contaminated, saturated clothing.

After eye contact:

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion:

Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell.

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

Inhalation of dust may cause irritation of the respiratory system. Irritating to eyes and respiratory system.

Can cause frostbite. Frequently or prolonged contact with skin may cause dermal irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water, Foam, Dry extinguishing powder

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

No data available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Provide adequate ventilation.

Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 13-Dec-2016

Print date: 13-Dec-2016

Version: 3

Page 3/7



Powering Business Worldwide

SIHALACT Oeno

6.3. Methods and material for containment and cleaning up

For cleaning up:

Take up mechanically, placing in appropriate containers for disposal. Take up dust-free and set down dust-free.

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Wash with plenty of water.

6.4. Reference to other sections

No data available

6.5. Additional information

Can cause frostbite.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Handle in accordance with GMP (good manufacturing practice).

Avoid contact with skin, eyes and clothes. Do not breathe dust.

Avoid dust formation. Do not use a dry brush as dust clouds or static can be created.

Dust should be exhausted directly at the point of origin. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep/Store only in original container.

Keep container tightly closed and dry.

storage temperature < -18°C / 0 °F

Further information on storage conditions:

Take precautionary measures against static discharges.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

It is recommended to design all work processes always so that the following is excluded: Generation/formation of dust

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses

Skin protection:

Hand protection: Wear suitable gloves.

Suitable material: cold resistant

Respiratory protection:

Respiratory protection necessary at: dust formation, insufficient ventilation

Suitable respiratory protection apparatus: Filtering device (DIN EN 147) P 3

Other protection measures:

Protective clothing: Wear personal protection equipment.

General health and safety measures: When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 13-Dec-2016

Print date: 13-Dec-2016

Version: 3

Page 4/7



Powering Business Worldwide

SIHALACT Oeno

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

Does not contain substances above concentration limits fixing an occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Granulate

Colour: cream - white - light brown

Odour: characteristic

Safety relevant basis data

parameter		at °C	Method	Remark
pH	6 - 7			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

not known.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

not known.

10.4. Conditions to avoid

Avoid dust formation.

Keep away from heat. Protect from sunlight.

10.5. Incompatible materials

not known.

10.6. Hazardous decomposition products

not known.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 13-Dec-2016

Print date: 13-Dec-2016

Version: 3

Page 5/7



Powering Business Worldwide

SIHALACT Oeno

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

After ingestion: Irritant, Nausea .

Acute dermal toxicity:

Can cause frostbite. Frequently or prolonged contact with skin may cause dermal irritation.

Acute inhalation toxicity:

Inhalation of dust may cause irritation of the respiratory system.

After inhaling vapours, first symptoms of poisoning may develop hours later, so always consult a doctor.

The following symptoms may occur: Fever, Shivering, Cough, Respiratory complaints, Headache.

The symptoms normally disappear completely over night without any treatment.

Skin corrosion/irritation:

mild irritant.

Eye damage/irritation:

slightly irritant

Respiratory or skin sensitisation:

May cause sensitization by inhalation and skin contact.

Germ cell mutagenicity:

No information available.

Carcinogenicity:

No information available.

Reproductive toxicity:

No information available.

STOT-single exposure:

No information available.

STOT-repeated exposure:

No information available.

Aspiration hazard:

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

According to the present state of knowledge negative ecological effects are not expected.

Terrestrial toxicity:

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Accumulation / Evaluation:

No indication of bioaccumulation potential.

12.4. Mobility in soil

The product is: easily soluble Water

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 13-Dec-2016

Print date: 13-Dec-2016

Version: 3

Page 6/7



Powering Business Worldwide

SIHALACT Oeno

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The disposal of the product has to be carried out in accordance with the legal requirements. EWC waste codes are strictly industry-oriented, therefore waste classification has to be done by the waste producer.

Waste treatment options

Appropriate disposal / Package:

Non-contaminated packages may be recycled.

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

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

not relevant

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

Source:

S Selbsteinstufung

15.2. Chemical Safety Assessment

No data available

15.3. Additional information

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 13-Dec-2016

Print date: 13-Dec-2016

Version: 3

Page 7/7



Powering Business Worldwide

SIHALACT Oeno

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

No data available

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named 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 with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.