

# SAFETY DATA SHEET

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

**Revision date:** 21-Feb-2018

**Print date:** 21-Feb-2018

**Version:** 4

Page 1/7



Powering Business Worldwide

**Viniflora LS Oenos, Viniflora LS Oenos 2.0; CH 11, CH 16, CH 35 (Frozen Cultures) Viniflora LS CiNe ; Viniflora Freasy CH 11, CH 16**

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

### 1.1. Product identifier

**Trade name/designation:**

Viniflora LS Oenos, Viniflora LS Oenos 2.0; CH 11, CH 16, CH 35 (Frozen Cultures) Viniflora LS CiNe ; Viniflora Freasy CH 11, CH 16

**Additional information:**

The substance does not require registration according to Regulation (EC) No 1907/2006 [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 mixture 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.

# SAFETY DATA SHEET

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

**Revision date:** 21-Feb-2018

**Print date:** 21-Feb-2018

**Version:** 4

Page 2/7



Powering Business Worldwide

**Viniflora LS Oenos, Viniflora LS Oenos 2.0; CH 11, CH 16, CH 35 (Frozen Cultures) Viniflora LS CiNe ; Viniflora Freasy CH 11, CH 16**

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

#### 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.

## 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:

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

In case of skin irritation, consult a physician.

IF ON CLOTHING: Change contaminated, saturated clothing.

#### After eye contact:

May cause irritation or inflammation. Wash with generous quantities of water. Avoid rubbing eyes.

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:

Full 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.

Can cause frostbite.

### 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.

# SAFETY DATA SHEET

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

**Revision date:** 21-Feb-2018

**Print date:** 21-Feb-2018

**Version:** 4

Page 3/7



Powering Business Worldwide

## Viniflora LS Oenos, Viniflora LS Oenos 2.0; CH 11, CH 16, CH 35 (Frozen Cultures) Viniflora LS CiNe ; Viniflora Freasy CH 11, CH 16

### 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.

### 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

No data available

## 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

#### Technical measures and storage conditions:

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

#### Requirements for storage rooms and vessels:

Keep/Store only in original container.

Keep container tightly closed and dry.

storage temperature: < -45°C / < -49 °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 exhaustion 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

# SAFETY DATA SHEET

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

**Revision date:** 21-Feb-2018

**Print date:** 21-Feb-2018

**Version:** 4



Powering Business Worldwide

Page 4/7

## Viniflora LS Oenos, Viniflora LS Oenos 2.0; CH 11, CH 16, CH 35 (Frozen Cultures) Viniflora LS CiNe ; Viniflora Freasy CH 11, CH 16

### 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.

### 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>			
Relative 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.

# SAFETY DATA SHEET

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

**Revision date:** 21-Feb-2018

**Print date:** 21-Feb-2018

**Version:** 4



Powering Business Worldwide

Page 5/7

## Viniflora LS Oenos, Viniflora LS Oenos 2.0; CH 11, CH 16, CH 35 (Frozen Cultures) Viniflora LS CiNe ; Viniflora Freasy CH 11, CH 16

### 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.

## SECTION 11: Toxicological information

### \* 11.1. Information on toxicological effects

#### Acute oral toxicity:

Toxicological data are not available.

After ingestion: Irritant, Nausea

#### Acute dermal toxicity:

Contact with product may cause cold burns.

#### 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:

Irritant effect on the skin: mild irritant.

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

#### Serious eye damage/irritation:

slightly irritant but not relevant for classification.

#### 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.

#### Additional information:

Contact with product may cause cold burns.

## 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

# SAFETY DATA SHEET

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

**Revision date:** 21-Feb-2018

**Print date:** 21-Feb-2018

**Version:** 4

Page 6/7



Powering Business Worldwide

## Viniflora LS Oenos, Viniflora LS Oenos 2.0; CH 11, CH 16, CH 35 (Frozen Cultures) Viniflora LS CiNe ; Viniflora Freasy CH 11, CH 16

### 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

Test not required.

### 12.6. Other adverse effects

No data available

## 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

# SAFETY DATA SHEET

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

**Revision date:** 21-Feb-2018

**Print date:** 21-Feb-2018

**Version:** 4

Page 7/7



Powering Business Worldwide

## Viniflora LS Oenos, Viniflora LS Oenos 2.0; CH 11, CH 16, CH 35 (Frozen Cultures) Viniflora LS CiNe ; Viniflora Freasy CH 11, CH 16

### 15.1.2. National regulations

 [DE] National regulations

#### Water hazard class (WGK)

##### WGK:

1 - schwach wassergefährdend

##### Source:

S Selbsteinstufung

### \* 15.2. Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

### 15.3. Additional information

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

1.1.	Product identifier
4.1.	Description of first aid measures
7.2.	Conditions for safe storage, including any incompatibilities
11.1.	Information on toxicological effects
15.2.	Chemical Safety Assessment

### 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 mixture 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.

\* Data changed compared with the previous version