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

1.1. Product identifier

Product form : Mixture
Trade name : VINICLAR®
Type of product : For œnological use
Product group : Trade product
Other means of identification : E 1202 - E 460 (ii)

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

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : For professional users only
Use of the substance/mixture : Preventive and curative treatment for oxidative discolorations in wine. Treatment for press wines.
Use of the substance/mixture : For œnological use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
LAFFORT FRANCE
P.O. Box CS 61611
33072 BORDEAUX CEDEX - FRANCE
T +33 (0)5 56 86 53 04 - F +33 (0)5 56 86 30 50
info@laffort.com - www.laffort.com

Distributor
LAFFORT ARGENTINA
PREDIO INDUSTRIAL, CALLE CASTRO BARROS 1330 CARRODILLA
LUJAN DE CUYO - ARGENTINA
T + 54 261 4962309 - F + 54 261 4964060
info@laffort.com - www.laffort.com

Distributor
LAFFORT CHILE
PARCELA 233, LOTE 2, COLONIA KENNEDY, SECTOR HOSPITAL 9540000 PAINÉ - CHILE
T +56 22 979 1590 - F +56 9 5201 7140
info@laffort.com - www.laffort.com

Distributor
LAFFORT ESPAÑA S.A.
TXIRRITA MALEO 12 APTDO 246
20100 RENTERIA (Guipúzcoa) - ESPAÑA
T 0034943344068 - F 0034943344281
info@laffort.com - www.laffort.com

Distributor
LAFFORT AUSTRALIA
23 BURWOOD AVENUE
WOODVILLE NORTH
5012 SOUTH AUSTRALIA - AUSTRALIA
T (08) 8360 2200
info@laffort.com - www.laffort.com

Distributor
LAFFORT ITALIA
S.P. PER CASTELNUOVO SCRIVIA S.N.C.
15057 TORTONA AL
T +39 0131 863 608 - F +39 0131 821 305
laffortitalia@laffort.com - www.laffort.com

Distributor
LAFFORT NEW ZEALAND
4/B GREENWOODS CLOSE
TITIRANGI
P.O. Box P.O. BOX 60-249
1000 AUCKLAND - NEW ZEALAND
T 64 (0) 21 322 290
info@laffort.com - www.laffort.com

Distributor
LAFFORT SOUTH AFRICA
32 ZANDWYK PARK
7646 PAARL - SOUTH AFRICA
T +27 21 882 8106
info@laffort.com - www.laffort.com

Distributor
LAFFORT USA
## 1.4. Emergency telephone number

<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>NSW Poisons Information Centre</td>
<td>The Children’s Hospital at Westmead Locked Bag 4001 NSW 2145 Westmead</td>
<td>13 11 26 +6 2 2 247 3600</td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>Ontario Poison Centre (OPC)</td>
<td>The Hospital for Sick Children 555 University Avenue ON M5G 1X8 Toronto</td>
<td>1-800-268-9017 (416) 813-5900</td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>BC Drug and Poison Information Centre (DPIC)</td>
<td>655 West 12th Avenue BC V5Z 4R4 Vancouver</td>
<td>1-800-567-8911 (604) 682-5050</td>
<td></td>
</tr>
<tr>
<td>China</td>
<td>National Poison Control Center</td>
<td>Chinese Center for Disease Control and Prevention Nanwei road, No.29 100050 Beijing</td>
<td>+86 10 831 32 046</td>
<td></td>
</tr>
<tr>
<td>Croatia</td>
<td>Centar za kontrolu otrovanja</td>
<td>Ksaverska Cesta 2 p.p. 291 10000 Zagreb</td>
<td>+385 1 234 8342</td>
<td></td>
</tr>
<tr>
<td>Czech Republic</td>
<td>Toxikologické informační středisko</td>
<td>Na Bojišťi 1 120 00 Praha 2</td>
<td>+420 224 919 293 +420 224 915 402</td>
<td></td>
</tr>
<tr>
<td>Georgia</td>
<td>National Toxicology Information Advisory Center</td>
<td>Tbilisi State Medical University Department of Toxicology - 7 Asatiani St. 380 077 Tbilisi</td>
<td>+995 99 533320</td>
<td></td>
</tr>
<tr>
<td>Greece</td>
<td>Poisons Information Centre</td>
<td>11762 Athens</td>
<td>+30 2 10 779 3777</td>
<td></td>
</tr>
<tr>
<td>Hungary</td>
<td>Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat</td>
<td>Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest</td>
<td>+36 80 20 11 99</td>
<td></td>
</tr>
<tr>
<td>Israel</td>
<td>Israel Poison Information Center</td>
<td>6 Ha’Aliya Street 31096 Haifa</td>
<td>+972 4 854 1900</td>
<td></td>
</tr>
<tr>
<td>Japan</td>
<td>Japan Poison Information Center</td>
<td>Tsukuba Medical Center 1-1-1 Amakubo 305-0005 Tsukuba City, Ibaraki</td>
<td>+81-29-856-3566 +81-72-727-2499</td>
<td></td>
</tr>
<tr>
<td>Malta</td>
<td>Medicines &amp; Poisons Info Office</td>
<td>Mater Dei Hospital MSD Msida</td>
<td>+356 2545 6504</td>
<td></td>
</tr>
<tr>
<td>New Zealand</td>
<td>National Poisons Centre</td>
<td>Dunedin School of Medicine, University of Otago PO Box 913 9054 Dunedin</td>
<td>0800 764 766 +56 2 2 247 3600</td>
<td></td>
</tr>
</tbody>
</table>
## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

### 2.3. Other hazards

No additional information available
SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: If symptoms persist call a doctor.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.
First-aid measures after skin contact: Wash skin with plenty of water. If symptoms persist, call a physician.
First-aid measures after eye contact: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects: More detailed information: See section 11. Unexcreted particles may be phagocytized by cells of the reticuloendothelial system and deposited in storage sites in the liver, spleen, lung, and bone marrow resulting in the storage disease thesaurosis. Severity and symptoms depend on storage site and nature of the particle. Pathological changes are not necessarily attributed to the thesaurosis, but in some cases an inflammation or granulomatoma have occurred.
Symptoms/effects after inhalation: Irritation to throat and respiratory system.
Symptoms/effects after ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Unsuitable extinguishing media: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Explosion hazard: Avoid raising powdered material due to explosion hazard.
5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information: Do not contaminate ground and surface water. Dispose in a safe manner in accordance with local/national regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Wear recommended personal protective equipment.

Emergency procedures: Ventilate spillage area. Spilled material may present a slipping hazard.

Measures in case of dust release: Avoid dust formation.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not flush into surface water or sewer system.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Mechanically recover the product. Contain leaking substance, pump over in suitable containers. Clean contaminated surfaces with an excess of water.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wear personal protective equipment. Avoid dust formation. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Store tightly closed in a dry and cool place. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear recommended personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Keep only in the original container.

Storage conditions: Keep container tightly closed to prevent moisture pick-up. Store in a dry, cool place. Keep in a well-ventilated room. Keep out of direct sunlight.

Heat and ignition sources: Keep away from ignition sources (including static discharges).

7.3. Specific end use(s)

For œnological use.
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>VINICLAR®</th>
<th>Control parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>Local name</td>
</tr>
<tr>
<td>France</td>
<td>VME (mg/m³)</td>
</tr>
<tr>
<td>France</td>
<td>Note (FR)</td>
</tr>
<tr>
<td>France</td>
<td>Regulatory reference</td>
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<tr>
<td>Spain</td>
<td>Local name</td>
</tr>
<tr>
<td>Spain</td>
<td>VLA-ED (mg/m³)</td>
</tr>
<tr>
<td>Spain</td>
<td>Regulatory reference</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protective equipment:
Refer to protective measures listed in Sections 7 and 8.

Materials for protective clothing:
Protective clothing

Hand protection:
In case of excessive dust production. Wear protective gloves.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
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</thead>
<tbody>
<tr>
<td>Chemically resistant</td>
<td>Nitrile rubber (NBR), Butyl rubber</td>
<td></td>
<td></td>
<td></td>
<td>EN ISO 374</td>
</tr>
</tbody>
</table>

Eye protection:
No special eye protection equipment recommended under normal conditions of use. Where excessive dust may result, wear goggles. Safety glasses

<table>
<thead>
<tr>
<th>Type</th>
<th>Use</th>
<th>Characteristics</th>
<th>Standard</th>
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</thead>
<tbody>
<tr>
<td>Safety glasses</td>
<td>Dust</td>
<td></td>
<td>EN 166</td>
</tr>
</tbody>
</table>

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Wear suitable respiratory equipment in case of insufficient ventilation. EN 143
**Environmental exposure controls:**
Do not allow into drains or water courses. Avoid release to the environment.

**Other information:**
Do not eat, drink or smoke during work. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td>Physical state</td>
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<tr>
<td>Appearance</td>
<td>Granulate</td>
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<tr>
<td>Colour</td>
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<td>Odour</td>
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<tr>
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<td>pH</td>
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<tr>
<td>pH solution</td>
<td>5 - 8 1%</td>
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<td>Relative evaporation rate (butylacetate=1)</td>
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<td>Melting point</td>
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<tr>
<td>Freezing point</td>
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<tr>
<td>Boiling point</td>
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<tr>
<td>Flash point</td>
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</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
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</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<tr>
<td>Vapour pressure</td>
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<tr>
<td>Relative vapour density at 20 °C</td>
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<tr>
<td>Density</td>
<td>1 g/cm³ 20°C</td>
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<tr>
<td>Solubility</td>
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<td>Log Pow</td>
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<td>Viscosity, kinematic</td>
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<tr>
<td>Viscosity, dynamic</td>
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<tr>
<td>Explosive properties</td>
<td>No data available</td>
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<tr>
<td>Oxidising properties</td>
<td>No data available</td>
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<tr>
<td>Explosive limits</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
May form an explosive mixture in the presence of air.

10.4. Conditions to avoid
Heat. flames or sparks. Moisture.

10.5. Incompatible materials
oxidation agents, reductor agents and bases.

10.6. Hazardous decomposition products
Toxic fumes may be released. Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : May cause eye-irritation of susceptible persons
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
SECTION 12: Ecological information

12.1. Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity: Not classified

Chronic aquatic toxicity: Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects: Do not allow to enter drains or water courses.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.

Product/Packaging disposal recommendations: Empty remaining contents. Dispose of contents/container in accordance with licensed collector’s sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR): Not regulated
UN-No. (IMDG): Not regulated
UN-No. (IATA): Not regulated
UN-No. (ADN): Not regulated
UN-No. (RID): Not regulated
### 14.2. UN proper shipping name

<table>
<thead>
<tr>
<th>Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name (ADR)</td>
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<tr>
<td>Proper Shipping Name (IMDG)</td>
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<tr>
<td>Proper Shipping Name (IATA)</td>
<td></td>
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<tr>
<td>Proper Shipping Name (ADN)</td>
<td></td>
</tr>
<tr>
<td>Proper Shipping Name (RID)</td>
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</tr>
</tbody>
</table>

### 14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>Mode</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
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<td>IMDG</td>
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<tr>
<td>IATA</td>
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<tr>
<td>ADN</td>
<td></td>
</tr>
<tr>
<td>RID</td>
<td></td>
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</table>

### 14.4. Packing group

<table>
<thead>
<tr>
<th>Mode</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td></td>
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<td>IMDG</td>
<td></td>
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<tr>
<td>IATA</td>
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<tr>
<td>ADN</td>
<td></td>
</tr>
<tr>
<td>RID</td>
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</table>

### 14.5. Environmental hazards

<table>
<thead>
<tr>
<th>Type</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment</td>
<td></td>
</tr>
<tr>
<td>Marine pollutant</td>
<td></td>
</tr>
<tr>
<td>Other information</td>
<td>No supplementary information available</td>
</tr>
</tbody>
</table>

### 14.6. Special precautions for user

- **Overland transport**
  - Not regulated
- **Transport by sea**
  - Not regulated
- **Air transport**
  - Not regulated
- **Inland waterway transport**
  - Not regulated
- **Rail transport**
  - Not regulated
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations:

: For œnological use.

15.1.2. National regulations

Germany
Reference to AwSV: Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Netherlands
SZW-lijst van kankerverwekkende stoffen: None of the components are listed
SZW-lijst van mutagene stoffen: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other Information

<table>
<thead>
<tr>
<th>Indication of changes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision - See : *</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Section</td>
</tr>
<tr>
<td>4.2</td>
</tr>
</tbody>
</table>
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.