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

1.1. Product identifier
Product form: Substance
Trade name: VEGECOLL®
Product group: Trade product

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: Must and wine fining.
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 CHILE
PARCELA 233, LOTE 2,
COLONIA KENNEDY, SECTOR HOSPITAL
9540000 PAINE - CHILE
T +56 22 979 1590 - F +56 9 5201 7140
info@laffort.com - www.laffort.com

Manufacturer
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 NEW ZEALAND
4/B GREENWOODS CLOSE
TITIRANGI
P.O. Box P.O. BOX 60
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
1460 CADER LANE
SUITE C
CA 94954 PETALUMA - USA
T +1 (707) 775 4530
laffortusa@laffort.com - www.laffortusa.com

1.4. Emergency telephone number
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<th>Address</th>
<th>Emergency number</th>
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<tr>
<td>Australia</td>
<td>NSW Poisons Information Centre</td>
<td>The Children’s Hospital at Westmead</td>
<td>13 11 26</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Locked Bag 4001 NSW 2145 Westmead</td>
<td>+56 2 2 247 3600</td>
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<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>
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<tr>
<td>Canada</td>
<td>BC Drug and Poison Information Centre (DPIC)</td>
<td>655 West 12th Avenue BC VSZ 4R4 Vancouver</td>
<td>1-800-567-8911 (604) 682-5050</td>
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<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>
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<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>
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<tr>
<td>Czech Republic</td>
<td>Toxikologické informační středisko</td>
<td>Na Bojišti 1 120 00 Praha 2</td>
<td>+420 224 919 293</td>
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<tr>
<td></td>
<td>Klinika pracovního lékařství VFN a 1. LF UK</td>
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<td>+420 224 915 402</td>
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<td>Georgia</td>
<td>National Toxicology Information Advisory Center</td>
<td>Tbilisi State Medical University</td>
<td>+995 99 533320</td>
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<td></td>
<td></td>
<td>Department of Toxicology - 7 Asatiani St. 380 077 Tbilisi</td>
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<tr>
<td>Greece</td>
<td>Poisons Information Centre Children’s Hospital P&amp;A Kyriakou</td>
<td>11762 Athens</td>
<td>+30 2 10 779 3777</td>
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<tr>
<td>Hungary</td>
<td>Országos Kémiai Biztonsági Intézet</td>
<td>Nagyvárad tér 2. 1437 Budapest, Pfi. 839 1097 Budapest</td>
<td>+36 80 20 11 99</td>
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<td>Egészségügyi Toxikológiai Tájékoztató Szolgálat</td>
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<td>Israel</td>
<td>Israel Poison Information Center Rambam Health Care Campus</td>
<td>6 Ha’Aliya Street 31096 Haifa</td>
<td>+972 4 854 1900</td>
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<td>Japan</td>
<td>Japan Poison Information Center</td>
<td>Tsukuba Medical Center 1-1-1-1 Amakubo 305-0005 Tsukuba City, Ibaraki</td>
<td>+81-29-856-3566</td>
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<td>+81-72-727-2499</td>
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<td>Malta</td>
<td>Medicines &amp; Poisons Info Office</td>
<td>Mater Dei Hospital MSD Msida</td>
<td>+356 2545 6504</td>
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<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</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>+56 2 2 247 3600</td>
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<tr>
<td>Poland</td>
<td>National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)</td>
<td>ul. Teresy 8 P.O. BOX 199 90950 Łódź</td>
<td>+48 42 63 14 724</td>
<td></td>
</tr>
<tr>
<td>Romania</td>
<td>Department of Clinical Toxicology Spitalul de Urgenta Floreasca</td>
<td>Calea Floreasca Bucuresti</td>
<td>+40 21 230 8000</td>
<td></td>
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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
No additional information available

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

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<td>Mono-constituent</td>
<td>VEGECOLL®</td>
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### Name

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<td>Vegetal protein (patatin)</td>
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#### 3.2. Mixtures

Not applicable

### 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**: After contact with skin, wash immediately and thoroughly with water and soap. 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.

#### 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**: If there is a fire close by, use suitable extinguishing agents. carbon dioxide (CO2), powder, alcohol-resistant foam, water spray.
- **Unsuitable extinguishing media**: Do not use water jet.

#### 5.2. Special hazards arising from the substance or mixture

**Hazardous decomposition products in case of fire**: Toxic fumes may be released. Carbon oxides (CO, CO2). Nitrogen oxides.

#### 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. Avoid contact with skin and eyes.

### Measures in case of dust release
Avoid dust formation.

### For emergency responders
Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

### Environmental precautions
Do not flush into surface water or sewer system.

### Methods and material for containment and cleaning up
Dust deposited may be vacuum cleaned or the area hosed down with water. Mechanically recover the product. Contain leaking substance, pump over in suitable containers. Clean contaminated surfaces with an excess of water. Liquid material is slippery.

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

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

### Handling and storage

#### Precautions for safe handling
Avoid dust formation. Local exhaust is recommended where dust may occur. Where excessive dust may result, use approved respiratory protection equipment. Avoid contact with skin and eyes. Wear recommended personal protective equipment. Store tightly closed in a dry and cool place.

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

#### Conditions for safe storage, including any incompatibilities
Keep only in the original container.

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

Incompatible products: Odour agents.

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

#### Specific end use(s)
For œnological use.

### Exposure controls/personal protection

#### Control parameters
No additional information available
8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station. Avoid dust formation. Ensure the ventilation system is regularly maintained and tested.

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

Materials for protective clothing:
Antistatic clothing. EN 340. EN 1149

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

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

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

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Wear suitable respiratory equipment in case of insufficient ventilation. EN 143. EN 149

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

- Physical state: Solid
- Appearance: Powder.
- Colour: white to slightly yellow.
- Odour: characteristic.
- Odour threshold: No data available
- pH: No data available
- pH solution: $\approx 7 \text{ % } 10 \text{ g/l} - 25 ^\circ C$
- Relative evaporation rate (butylacetate=1): No data available
- Melting point: No data available
VEGECOLL®
Safety Data Sheet
according to Regulation (EU) 2015/830

Freezing point : Not applicable
Boiling point : No data available
Flash point : Not applicable
Auto-ignition temperature : Not applicable
Decomposition temperature : 300 - 500 °C
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Critical pressure : 8 - 10 bar
Relative vapour density at 20 °C : No data available
Relative density : Not applicable
Solubility : Soluble in water.
Log Pow : No data available
Viscosity, kinematic : Not applicable
Viscosity, dynamic : No data available
Explosive properties : Not explosive.
Oxidising properties : No data available
Explosive limits : Not applicable

9.2. Other information
Minimum ignition energy : > 100 mJ

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 of use.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

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

10.5. Incompatible materials
Oxidation agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced. See Heading 5.
SECTION 11: Toxicological information

11.1. Information on toxicological effects

- Acute toxicity (oral): Not classified (Based on available data, the classification criteria are not met)
- Acute toxicity (dermal): Not classified (Based on available data, the classification criteria are not met)
- Acute toxicity (inhalation): Not classified (Based on available data, the classification criteria are not met)

Vegetal protein (patatin)

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<td>LD50 oral rat</td>
<td>&gt; 2000 mg/kg</td>
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- Skin corrosion/irritation: Not classified (Based on available data, the classification criteria are not met)
- Serious eye damage/irritation: Not classified (Based on available data, the classification criteria are not met)
- Respiratory or skin sensitisation: Not classified (Based on available data, the classification criteria are not met)
- Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)
- Carcinogenicity: Not classified (Based on available data, the classification criteria are not met)
- Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)

STOT-
- Single exposure: Not classified (Based on available data, the classification criteria are not met)
- Repeated exposure: Not classified (Based on available data, the classification criteria are not met)
- Aspiration hazard: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

- Ecology - general: Ecological problems are not known or expected under normal use.
- Acute aquatic toxicity: Not classified (Based on available data, the classification criteria are not met)
- Chronic aquatic toxicity: Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

Vegetal protein (patatin)

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<td>Persistence and degradability</td>
<td>Biodegradable. No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.</td>
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12.3. Bioaccumulative potential

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<tr>
<td>Bioaccumulative potential</td>
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<td>There is no bioaccumulation.</td>
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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

| Proper Shipping Name (ADR) | Not regulated |
| Proper Shipping Name (IMDG) | Not regulated |
| Proper Shipping Name (IATA) | Not regulated |
| Proper Shipping Name (ADN) | Not regulated |
| Proper Shipping Name (RID) | Not regulated |

14.3. Transport hazard class(es)

ADR:

| Transport hazard class(es) (ADR) | Not regulated |

IMDG:

| Transport hazard class(es) (IMDG) | Not regulated |
VEGECOLL®
Safety Data Sheet
according to Regulation (EU) 2015/830

IATA
Transport hazard class(es) (IATA) : Not regulated

ADN
Transport hazard class(es) (ADN) : Not regulated

RID
Transport hazard class(es) (RID) : Not regulated

14.4. Packing group
Packing group (ADR) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated
Packing group (ADN) : Not regulated
Packing group (RID) : Not regulated

14.5. Environmental hazards
Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user
Special transport precautions : Prevent entry to sewers and public waters
- 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
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

No REACH Annex XVII restrictions
VEGECOLL® is not on the REACH Candidate List
VEGECOLL® is not on the REACH Annex XIV List
Other information, restriction and prohibition regulations

For oenological use.

15.1.2. National regulations

Germany
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen

The substance is not listed

SZW-lijst van mutagene stoffen

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid

The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling

The substance is not listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:
Revision - See : *

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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.