

Safety Information

PROVGREEN L 100

08/04/2020

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

- 1.1. Product identifier
Mixture identification:
Trade name: **PROVGREEN L100**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Enological product
- 1.3. Details of the supplier of the safety data sheet
Company:
SOFRALAB
79 AV. A.A. Thévenet - CS11031
51530 MAGENTA - FRANCE
Tel: 0033 (0) 326 51 29 30 - Fax: 0033 (0)3 26 51 87 60
Competent person responsible for the safety data sheet:
lcq@sofralab.com
- 1.4. Emergency telephone number
Emergency telephone number of the company and/or of an authorised advisory centre:
ORFILA 0033 (0)1 45 42 59 59

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Adverse physicochemical, human health and environmental effects:
No other hazards
- 2.2. Label elements
Symbols:
None
Hazard statements:
None
Precautionary statements:
None
Special Provisions:
None
Special provisions according to Annex XVII of REACH and subsequent amendments:
None
- 2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

- 3.1. Substances
N.A.
- 3.2. Mixtures
Hazardous components under the CLP Regulation and related classification:
> = 7% - <10% CITRIC ACID MONOHYDRATE
CAS: 5949-29-1, EC: 201-069-1
⚠ 3.3 / 2 Eye Irrit. 2 H319
- > = 0.1% - <0.25% POTASSIUM BISULFITE

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CAS: 7773-03-7, EC: 231-870-1

◊ 3.3 / 2 Eye Irrit. 2 H319

◊ 3.8 / 3 STOT SE 3 H335

EUH031

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

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

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

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SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
 - 7.2. Conditions for safe storage, including any incompatibilities
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - None in particular.
 - Instructions as regards storage premises:
 - Adequately ventilated premises.
 - 7.3. Specific end use(s)
 - None in particular
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SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - BISULFITE DE POTASSIUM - CAS: 7773-03-7
 - Type OEL: ACGIH - STEL: 0.25 ppm - Remarques: SO₂
 - Type OEL: UE - TWA: 0.5 ppm - STEL: 1 ppm - Remarques: SO₂
 - Valeurs limites d'exposition DNEL
 - N.A.
 - Valeurs limites d'exposition PNEC
 - ACIDE CITRIQUE MONOHYDRATE - CAS: 5949-29-1
 - Cible: Eau douce - valeur: 0.44 mg/l
 - Cible: Eau marine - valeur: 0.044 mg/l
 - Cible: Sédiments d'eau douce - valeur: 34.6 mg/kg
 - Cible: Sédiments d'eau marine - valeur: 3.46 mg/kg
 - Cible: Micro-organismes dans les traitements des eaux usées - valeur: 1000 mg/l
- 8.2. Exposure controls
 - Eye protection:
 - Not needed for normal use. Anyway, operate according good working practices.
 - Protection for skin:
 - No special precaution must be adopted for normal use.
 - Protection for hands:
 - Not needed for normal use.
 - Respiratory protection:
 - Not needed for normal use.
 - Thermal Hazards:
 - None
 - Environmental exposure controls:
 - None
 - Appropriate engineering controls:
 - None

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Méthods :	Notes
Appearance and color:	Beige viscous liquid	--	--
Odour:	Odorless	--	--
Odor threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid / gas ignition:	N.A.	--	--
Upper / lower flammability or explosion limit:	N.A.	--	--
Vapor pressure:	N.A.	--	--
Vapor density:	N.A.	--	--
Relative density:	N.A.	--	--
Water solubility:	Partially soluble	--	--
Oil solubility:	N.A.	--	--
Partition coefficient (n-octanol / water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties	N.A.	--	--

9.2. Other information

Properties	Value	Méthods :	Notes
Miscibility:	N.A.	--	--
Fat solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Characteristic properties of groups of substances	N.A.	--	--

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SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
 - 10.2. Chemical stability
Stable under normal conditions
 - 10.3. Possibility of hazardous reactions
None
 - 10.4. Conditions to avoid
Stable under normal conditions.
 - 10.5. Incompatible materials
None in particular.
 - 10.6. Hazardous decomposition products
None.
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SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Toxicological information on the product:
N / A.
Toxicological information on the main substances found in the product:
CITRIC ACID MONOHYDRATE - CAS: 5949-29-1
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Mouse = 5400 mg / kg
Test: LD50 - Route: Oral - Species: Rat = 11,700 mg / kg
Test: LD50 - Route: Skin - Species: Rat = 725 mg / kg
Test: LD50 - Route: Skin - Species: Mouse = 940 mg / kgPOTASSIUM BISULPHITE - CAS: 7773-03-7
 - a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2300 mg / kg - Remarks: dry matter
 - c) serious eye damage / eye irritation:
Test: Corrosive to the eyes. If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:
 - a) acute toxicity;
 - b) skin corrosion/irritation;
 - c) serious eye damage/irritation;
 - d) respiratory or skin sensitisation;
 - e) germ cell mutagenicity;
 - f) carcinogenicity;
 - g) reproductive toxicity;
 - h) STOT-single exposure;
 - i) STOT-repeated exposure;
 - j) aspiration hazard.
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SECTION 12: Ecological information

- 12.1. Toxicity
Use the product rationally, avoiding dispersing it in the wild.
CITRIC ACID MONOHYDRATE - CAS: 5949-29-1
 - a) Acute aquatic toxicity:
End point: LC50 Fish = 440 mg / l - Duration h: 48
End point: LC50 Daphnia = 1535 mg / l - Duration h: 24
 - c) Toxicity to bacteria:
Bacteria > 10,000 mg / l - Duration h: 16
 - e) Toxicity to plants:
Seaweed = 425 mg / l - Duration h: 168POTASSIUM BISULPHITE - CAS: 7773-03-7

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a) Acute aquatic toxicity:

End point: LC50 Fish = 460-1000 mg / l - Duration h: 96 - Remarks: dry matter

End point: EC50 Bacteria = 65 mg / l - Duration h: 17 - Remarks: dry matter

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Environmental Pollutant: N.A.

IMDG-Marine pollutant: N.A.

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

SECTION 15: Regulatory information

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP) and amendments

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

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Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II): N.A.

15.2. Chemical safety assessment : No

SECTION 16: Other information

Text of the sentences cited in section 3:

H319 Causes serious eye irritation.

H335 May irritate the respiratory tract.

EUH031 Contact with acids liberates toxic gas.

Hazard class and hazard category	Code	Description
Eye Irrit. 2	3.3/2	Irritation oculaire, Catégorie 2
STOT SE 3	3.8/3	Toxicité spécifique pour certains organes cibles —Exposition unique STOT un., Catégorie 3

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

CCNL - Appendix 1

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.

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LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.