

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 14.11.2019

Version number 5

Revision: 14.11.2019

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

1.1 Product identifier

Trade name: SOLIS Solitabs

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

Application of the substance / the mixture Special cleaning tablets for coffee machines

1.3 Details of the supplier of the safety data sheet

Supplier:

Solis Deutschland GmbH
D-78054 Villingen-Schwenningen
Tel. +41 (0)44 874 64 64
www.solis.de

Solis AG
CH – 8152 Glattbrugg
Tel. +41 (0)44 874 64 64
www.solis.ch

Manufacturer:

Oxytabs Tablettenproduktion GmbH
- Member of the Medea Group -
Suhmsberg 40
D-24768 Rendsburg
Germany

Further information obtainable from:

Tel.: +49 4331 69620 0
Fax: +49 4331 69620 22
E-Mail: info@medeagroup.de

1.4 Emergency telephone number:

Giftnotruf der Charité - Universitätsmedizin Berlin
D-13437 Berlin
Tel: +49 30 30686 700
Tox Info Suisse
CH-8032 Zürich
Tel.: +41 44 2515151; national: 145
Vergiftungsinformationszentrale Wien
A-1010 Wien
Tel.: +43 1 406 43 43

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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Trade name: **SOLIS Solitabs****Hazard pictograms**

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GHS07

Signal word Warning**Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

| | | |
|---|--|------------|
| CAS: 15630-89-4 EINECS: 239-707-6 Reg.nr.: 01-2119457268-30 | sodium percarbonate Ox. Sol. 3, H272; Eye Dam. 1, H318; Acute Tox. 4, H302 | ≥10-<25% |
| CAS: 151-21-3 EINECS: 205-788-1 Reg.nr.: 01-2119489461-32 | sodium dodecyl sulphate Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335; Aquatic Chronic 3, H412 | ≥0.1-<2.5% |

Specific concentration limits

sodium percarbonate CAS 15630-89-4: Eye Dam. 1: > 25 %; Eye Irrit. 2: ≥ 7.5 - < 25 %

sodium dodecyl sulphate CAS 151-21-3: Eye Dam. 1: ≥ 20 %; Eye Irrit. 2: ≥ 10 - < 20 %.

Regulation (EC) No 648/2004 on detergents / Labelling for contents

phosphates >30 %

oxygen-based bleaching agents 15-30 %

anionic surfactants <5 %

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures**General information:** No special measures required.**After inhalation:** Supply fresh air.**After skin contact:** Immediately rinse with water.**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.**After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting.

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If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Product itself does not burn.

5.2 Special hazards arising from the substance or mixture No further relevant information available.**5.3 Advice for firefighters****Protective equipment:** In the danger area always wear a self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.**6.2 Environmental precautions:** Do not allow to enter surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Wash residues with water.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special precautions are necessary if used correctly.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Protect from humidity and water.

Protect from heat and direct sunlight.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

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8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes.

Respiratory protection: Not required.

Protection of hands: Protective gloves.

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.11 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Wear tightly sealed safety glasses when handling the solution.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

| | |
|-------------------------|-----------------|
| Form: | Tablets |
| Colour: | White |
| Odour: | Recognisable |
| Odour threshold: | Not determined. |

pH-value: Not applicable.

Change in condition

| | |
|---|-----------------|
| Melting point/freezing point: | Not determined. |
| Initial boiling point and boiling range: | Not determined. |

Flash point: Not applicable.

Flammability (solid, gas): Not determined.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

| | |
|---------------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

Vapour pressure: Not applicable.

Density: Not determined.

Relative density Not determined.

Vapour density Not applicable.

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| | |
|--|--|
| Evaporation rate | Not applicable. |
| Solubility in / Miscibility with water: | Easily soluble. |
| Partition coefficient: n-octanol/water: | Not determined. |
| Viscosity: | |
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| Solvent content: | |
| Organic solvents: | 0.0 % |
| Solids content: | 100.0 % |
| 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable if stored according to specifications.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

| | | |
|------------|----------|--------------------------|
| Oral | LD50 | >5,627-6,203 mg/kg (rat) |
| Inhalative | LC50/4 h | 136 mg/l |

15630-89-4 sodium percarbonate

| | | |
|--------|------|--------------------|
| Oral | LD50 | 1,034 mg/kg (rat) |
| Dermal | LD50 | >2,000 mg/kg (rat) |

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

15630-89-4 sodium percarbonate

| | |
|----------|---------------------------------|
| LC50/96h | 70.7 mg/l (Pimephales promelas) |
| EC50/48h | 4.9 mg/l (Daphnia pulex) |

151-21-3 sodium dodecyl sulphate

| | |
|----------|------------------------------------|
| LC50/96h | >10-100 mg/l (Pimephales promelas) |
| EC50/48h | >1-10 mg/l (Ceriodaphnia dubia) |

12.2 Persistence and degradability The contained surfactants are easily biodegradable.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must not be disposed together with household garbage.

Uncleaned packaging:

Recommendation: Non contaminated packagings may be recycled.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA

Not regulated.

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Not regulated.

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not regulated.

14.4 Packing group

ADR, IMDG, IATA

Not regulated.

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14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user Not applicable.

**14.7 Transport in bulk according to Annex II of
Marpol and the IBC Code** Not applicable.

UN "Model Regulation": Not regulated.

SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008** GHS label elements

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations:

The product is subject to be labeled according to the prevailing version of the regulations on hazardous substances.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H228 Flammable solid.

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Training hints No training is obligatory for use of this product.

Classification according to Regulation (EC) No 1272/2008

Bridging principles

Expert judgement

Calculation method

Department issuing SDS: Department R&D

Contact: Dr. Nico Kotzur

Created by: SKÜ

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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Flam. Sol. 2: Flammable solids – Category 2
Ox. Sol. 3: Oxidizing solids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
*** Data changed with respect to previous version.**

EU