

Safety Data Sheet according to Regulation (EC) No 1907/2006

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Trade name: TAROS Natural Toilet Cleaner No. 548
Revision date: 19.06.2014
Print date: 20.06.14

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: TAROS Natural Toilet Cleaner
Article number: 548

1.2. Relevant identified uses

Cleaner

1.3. Details of the supplier of the safety data sheet

Manufacturer:

LIVOS Pflanzenchemie GmbH & Co KG
Auengrund 10
D – 29559 Wrestedt
Email: info@livos.de

Information contact: LIVOS +49 (0)5825-88-0

1.4. Emergency Telephone Number:

+49 (0)30-30686-717 (Advice centre for poisoning, Berlin, 24h, German and English)

2. Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008 [CLP/GHS]

The preparation is classified and labelled in accordance of the guideline.

Classification according to 67/548/EEC or 1999/45/EC

The preparation is classified and labelled in accordance of the guideline.

2.2. Label elements



GHS07

Eye irrit. 2 H319 Causes serious eye irritation.

Signal word : Danger

Hazardous components for labelling

Not applicable

Hazard statements

H 319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children

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. Hazardous components for labelling

Not applicable.

3. Composition/information on ingredients

3.1. Substances

This product is a mixture.

3.2. Mixtures

Description: Preparation of water, citric acid, ethanol , Reetha (soapnut) extract , polysaccharide and citron oil.

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Hazardous ingredients

ETHANOL; CAS-No.: 64-17-5, EINECS: 200-578-6

Percent: 1 - 10 %

Classification according to 1272/2008/EC: Flam.Liq.2, H225;

Classification according to 67/548/EEC: F, R11;

CITRIC ACID; CAS-No.: 5949-29-1, EINECS: 201-069-1

Percent: 10 - 50 %

Classification according to 1272/2008/EC: Eye irrit. 2 , H319

Classification according to 67/548/EEC: Xi , R 36

4. First aid measures**4.1. Description of first aid measures****General information:**

Not applicable.

In case of inhalation:

Not applicable.

In case of skin contact:

Wash the skin area with water.

In case of eye contact:

Flush immediately and thoroughly with plenty of water until the irritation diminishes. In case of persistent eye irritation, visit your optician.

In case of ingestion:

Give plenty of water to drink. Consult a physician if problems persist.

5. Fire-fighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

The product is not flammable.

Unsuitable extinguishing media:

No restriction.

5.2. Special hazards arising from the substance or mixture

Not applicable.

5.3. Advice for fire-fighters

Not applicable.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Not applicable.

6.2. Environmental precautions:

Do not allow to enter water bodies or drains.

6.3. Methods and material for containment and cleaning up

Leaked material must be picked up/gathered mechanically.

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7. Handling and storage

7.1. Precautions for safe handling

Protective measures

Not applicable.

Precautions against fire and explosion:

Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Store cool and dry.

Hints on storage assembly:

Not applicable.

7.3. Further information

Not applicable.

8. Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

ETHANOL; CAS-No.: 64-17-5

Specification: Occupational exposure limit value (AGW) Germany

Value: 500 ml/m³ / 960 mg/m³

Category: 2 (II)

Comments: Y

8.2. Exposure controls

Appropriate engineering controls

No further information. See also section 7.

8.3. Personal protection equipment

Respiratory protection

Not applicable.

Hand protection

If needed wear protective gloves according to EN 374. Suitable material: nitriles rubber. Layer thickness of 0.1 mm.
Breakthrough time of the glove material >30 min..

Eye protection

If needed safety glasses with side protection according to EN 166:2001, especially recommended when decanting.

Protective clothing for the body

Not applicable.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid
Color: colorless
Odor: mild

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Security related information

Risk of explosion: No
Explosion limits:
Lower: n.a.
Upper: n.a.
Vapour pressure at 20°C: n.a.
Density at 20°C: appr. 1.12 g/ml
Viscosity at 20°C: appr. 10 dPas
Water solubility: Mixable
pH-value: appr. 1,6
Melting point / range: n.a.
Boiling temperature / boiling range: 98 °C
Flash point: n.a.
Ignition temperature: n.a.

10. Stability and reactivity**10.1. Reactivity****10.2. Chemical stability**

The product is chemically stable under normal ambient conditions.

10.3. Thermal decomposition / conditions to avoid

No decomposition when used as directed.

Avoid: heat, flames, sparks

10.4. Possibility of hazardous reactions

When used as directed no hazardous reactions are expected.

10.5. Incompatible materials

No restriction.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

11. Toxicological information**11.1. Information on toxicological effects**

<i>Component:</i>	<i>CAS</i>	<i>Type</i>	<i>Value</i>	<i>Species</i>
<i>Ethanol</i>	64-17-5	<i>LD 50</i>	<i>oral 6200 mg/kg</i>	<i>Rat</i>
<i>Ethanol</i>	64-17-5	<i>LC 50/4h</i>	<i>inhal 95,6 mg/l</i>	<i>Rat</i>

In case of inhalation:

Not applicable.

In case of skin contact:

Not applicable.

In case of eye contact:

Not applicable.

In case of ingestion:

Not applicable.

Practical experience:

According to the general experience there are no other hazards expected than those, which are already mentioned on the label. Watch out for possible allergic reactions to particular agents.

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12. Ecological information

12.1. Toxicity

Aquatic toxicity:

No further relevant information available.

12.2. Persistence and degradability

Because of the information on hand about the individual ingredients, the product as a whole can be seen as readily biodegradable. According to the detergent regulation 648/2004 and the EU detergent directive 82/242 (non - ionic surfactants) or 82/243 (anionic surfactants).

12.3. Bioaccumulative potential

Not relevant.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

No further relevant information available.

12.6. General information:

Do not allow to enter groundwater, water bodies or drains.

13. Disposal considerations

13.1. Waste treatment methods:

The following advice relates to the product that has been left on and not on further processed products.

When mixed with other products, other disposal methods may be required.

Recommendations

Dispose of waste according to applicable local, state, and federal regulations.

Waste code

20 01 30 Detergents other than those mentioned in 20 01 29.

Packaging

Contaminated packaging must be completely empty and properly cleaned before it can be re-cycled.

14. Transport information

ADR/RID and GGVSEB (cross-border/inland): Non-dangerous goods within the meaning of the transport regulations.

Marine transport IMDG/GGVSee: Non-dangerous goods within the meaning of the transport regulations.

Air transport ICAO-TI and IATA-DRG: Non-dangerous goods within the meaning of the transport regulations.

15. Regulatory information

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

EU – regulations

Verordnung (EG) Nr. 648/2004 (detergents):

The product fulfills the criteria as defined in Regulation (EC) No 648/2004.

National regulations (Germany)

Water Endangerment class

WGK 1 (German Water Hazards Classes, self-classification): weakly water-endangering.

Solvent regulation

VOC-Content: 90 g/l

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15.2. Chemical safety assessment

The mixture did not undergo a safety assessment.

16. Other information

Key literature references and sources of data

Internet

<http://www.baua.de>

Exact wording of the R / H-phrases mentioned under Point 2 and 3

According to regulation (EC) No. 1272/2008:

H 225 Highly flammable liquid and vapour
H 319 Causes serious eye irritation.

According to regulation (EEC) No. 67/548:

R 11 Highly flammable.
R 36 Irritating to eyes.

Data Sheet issued by:

Department: Product safety

The information described in this datasheet refers exclusively to the characteristics and safety requirements of this particular product. They cannot apply however any longer, if the product is mixed with other materials or is used during a different process. The statements correspond to our knowledge and experiences at the indicated time. However, no guarantee for soundness, reliability and completeness is given. The user must make sure of all the facts, so that all specifications for his respective use are suitable and complete.