

MATERIAL SAFETY DATA SHEET

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according to (EC) No. 1907/2006

Date of print: 07.02.2008

Revised: 07.02.2008

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

Trade Name: GLOUROS Natural Siding & Masonry Cleaner No. 1806
Use of the substance / preparation: To clean wood and stone surfaces. Not suitable for marble, chalk containing stone or other material sensitive to acid.

Manufacturer: LIVOS Plant Chemistry
Auengrund 10
D - 29568 Wieren

Technical contact point: Product Security Dept
Telephone / E-Mail: Tel. 05825 / 880 / E-Mail: Projekte@livos.de
Emergency Phone: 05825 - 880 (Monday-Thursday 7-16H00 and Fridays 7 – 13H00)

2. Hazards identification

Hazard(s) statement(s): The preparation is not dangerous in the sense of the guideline 1999/45/EG.

Informations pertaining to special dangers for humans and environment: Void.

3. Composition/information on ingredients

Chemical characterization (substance): Preparation out of: Water, reetha extract and citric acid.

Hazard(ous) ingredient(s):

CAS-no.	Name	Percent	Symbol	R-phrases
5949-29-1	Citric Acid	<20	Xi	R 36

4. First aid measures

General information: -
In case of inhalation: -
In case of skin contact: Rinse with water.

In case of eye contact: Rinse immediately and thoroughly out with much water until the irritation diminishes. By continuous 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

Suitable extinguishing media: Product is inflammable.

Extinguishing media which must not be used for safety reasons: No restriction.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: -

Special protective equipment for fire-fighters: -

Additional information: -

6. Accidental release measures

Personal precautions: Void
Environmental precautions: Do not allow to enter water bodies.
Methods for cleaning up: Leaked material mechanically cleaned. Clean thoroughly with a lot of water.

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7. Handling and storage

Advice on safe handling: -
Precautions against fire and explosion: -
Further information: -
Further information on storage conditions: Store in a cool, dry place.
Requirements for storage rooms and containers:
Hints on storage assembly:
Storage class: -
Flammable Liquid Class: -

8. Exposure controls / Personal protection

Monitor requiring components with occupational exposure limits resp. biological exposure limits:

Occupational exposure limit value (AGW) Germany

CAS-No.	Designation of the material	Limit value	Unit	Kind
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Exposure control:

-

Personal protection equipment:

The usual precautionary measures while handling chemicals are to be considered.

Respiratory protection:

-

Hand protection:

By a possibility of splashing, it is recommended to use protective gloves with resistance to chemicals. Suitable material: nitriles. Exact penetration times are to be requested from the manufacturer and kept.

Eye protection:

By a possibility of splashing, it is recommended to use eye glasses with side protection.

Protective clothing for the body:

-

9. Physical and chemical properties

Color: colorless
Physical state: Liquid.
Odor: Mild
Melting point / melting range: not determined
Boiling temperature / boiling range: 98°C
Flash point: n.a.
Auto ignition temperature: n.a.
Auto-inflammability: n.a.
Explosion risk: n.a.
Explosion limits (LEL, UEL):: Upper: Lower:
Vapor pressure: n.d.
Solidification : n.d.
pH-Value: 1,9
Density: by 20°C 1.09 g/cm³
Water solubility: mixable.
Viscosity: DIN 4mm = 11 s (20°C).

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10. Stability and reactivity

Dangerous reactions:

Materials to avoid:

The product does not show any dangerous reactions.

Hazardous decomposition products:

No hazardous decomposition products known.

11. Toxicological information

Practical experience:

Because of the general experience, the scientific literature and the legal regulations is there under adherence to the instructions for use, no health endangerment to be expected. Watch out for possible allergic reaction to particular agents.

Information about the content

Acute Toxicity:

Component (Name)	Kind	Value	Species
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After inhalation:

-

After skin contact:

Irritations possible due to the citric acid content.

After eye contact:

Irritations possible due to the citric acid content.

After swallowing:

-

12. Ecological information

General information:

Do not allow to enter water bodies.

Ecotoxicity:

The individual ingredients are not aquatic toxic. Therefore it is also to be expected for the overall product.

Persistence and degradability:

Because of the information on hand about the individual ingredients, the product as a whole can be seen as readily biodegradable.

13. Disposal considerations

Recommendation:

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

Waste codes/waste designations no. in accordance with AVV:

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

Disposal considerations:

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Appropriate disposal / packaging:

Contaminated packing must be completely emptied and can be re-cycled after proper cleaning.

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14. Transport information

Land transport (ADR/RID) and GGVS/ GGVE: Non dangerous goods in the sense of these transport regulations.

ADR/ RID-GGVS/ E Class:

Cypher/letter:

Kemmler amount:

UN Number:

Description of the goods:

Marine transport (IMDG) / GGVSee:

Non dangerous goods in the sense of these transport regulations.

IMDG/ GGVSee- Class:

Page:

UN Number:

Packing group:

EMS No.:

MP:

Proper technical name:

Air transport (ICAO-TI / IATA-DGR):

Non dangerous goods in the sense of these transport regulations.

ICAO/ IATA- Class:

UN/ ID Number:

Packing group:

Proper technical name:

15. Regulatory information

Classification and Labelling According to EC Regulations / Hazardous Goods Act

Hazard(s) symbol(s) and hazard(s) statement(s) of the product: -

Hazardous components for labelling: -

R-phrases:

S-phrases:

S 2 Keep out of the reach of children.

National regulations

Water Endanger class:

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

16. Other information

Relevant R-phrases (Number and full text) under Point 2 and 3:

R 36 Irritating to eyes.

Data sources:

<http://www.baua.de>

Data Sheet originated from:

Department: Product security

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 that all specifications for his respective use are suitable and complete.