

1. Chemical product and it's preparation / Identification of the company

Trade Name: LATIS - Natural Intensive Cleaner No. 551

Use of the substance / preparation: For cleaning of tiles, sinks, countertops and wooden surfaces like tables and floors.

Manufacturer: LIVOS Pflanzenchemie GmbH & Co. KG
Auengrund 10
D - 29568 Wieren

Technical contact point: Product Safety Department
Telephone / E-mail: Tel.: +49 5825 88-0 / projekte@livos.de
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+49 (0)30 - 30686790 (24h)

2. Hazards identification

Hazard statements: The preparation is not dangerous in the sense of the guideline 1999/45/EG.

Additional information about special dangers for humans and the environment: n.a.

3. Composition / information on ingredients

Chemical characterization (substance) : Preparation out of: Water, potassium soap of corn oil, ethanol and rosemary oil.

Hazardous ingredients:

CAS-No	Name	Percent	Symbol	R-phrases
64-17-5	Ethanol	1 - 10	F	R 11

4. First aid measures

General information:

In case of inhalation: n.a.

In case of skin contact: Rinse 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

Suitable extinguishing media: n.a.

Extinguishing media which must not be used for safety reasons: -

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

Special protective equipment for fire-fighters : -

6. Accidental release measures

Personal precautions:

Environmental precautions: Do not allow to enter water bodies.

Methods for cleaning up : Leaked material must be picked up/gathered mechanically. Clean thoroughly with a lot of water.

7. Handling and storage

Advice on safe handling:	n.a.
Precautions against fire and explosion:	n.a.
Further information:	n.a.
Information on storage conditions:	Store cool, but frost - free and dry.
Requirements for storage rooms and containers:	-
Hints on storage assembly:	n.a.
Storage class:	n.a.

8. Exposure controls / Personal protection

**Monitor requiring components with occupational exposure limits resp. Biological exposure limits:
Occupational exposure limits (AGW) Germany:**

CAS-No.	Designation of the material	Limit	Unit	Type	Country
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Exposure control and limitation:

Personal protection equipment:	The usual precautionary measures while handling chemicals are to be considered.
Respiratory protection:	n.a.
Hand protection:	I required, wear protective gloves.
Eye protection:	In case of possible splashing, it is recommended to use safety glasses with side protection.
Protective clothing for the body:	-

9. Physical and chemical properties

Color:	light brown
Physical state:	liquid
Odor:	mild
Melting point / melting range:	n.a.
Boiling temperature / boiling range:	98 °C
Flash point:	n.a.
Ignition temperature:	n.a.
Autoinflammability:	n.a.
Risk of explosion:	n.a.
Exposition limits (LEL, UEL):	upper: n.a. lower: n.a.
Vapor pressure:	n.a.
Solidification:	n.a.
pH-Value:	10
Density:	0.97 g/cm ³
Water solubility:	mixable
Viscosity:	DIN 4mm = 14 s

10. Stability and reactivity

Dangerous reactions:	Product shows no dangerous reactions.
Materials to avoid:	-

Hazardous decomposition products: No hazardous decomposition products known.

11. Toxicological information

The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

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 reactions to particular agents.

Information on ingredients

Acute toxicity:

Component (Name)	Kind	Value	Species
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Primary irritation

After inhalation:

After skin contact:

After eye contact:

After swallowing:

12. Ecological information

General information: Do not allow to enter water bodies.

Ecotoxicity:

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 by-law 648/2004 and the EU detergent directive 82/242 (non - ionic tensides) and 82/243 (anionic tensides) respectively.)

13. Disposal considerations

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

Waste codes in accordance with EWC (European Waste Catalogue): 20 01 30 Detergents other than those mentioned in 20 01 29.

Disposal considerations:

Appropriate disposal / packaging: Contaminated packing must be completely emptied and can be recycled after proper cleaning.

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:

Cipher/letter:

Kemmler number:

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:

Packaging group:

EMS No.:

MP:

Proper technical name:

Air transport (ICAO-TI / IATA-DGR:

Not classified for this transport carrier.

ICAO/ IATA- Class:
Groupe d'emballage:
Proper technical name:

UN/ ID Number:

15. Regulatory information

Classification and labeling according to EC regulations / Hazardous Goods Act

Hazard symbols and hazard statements of the product: -

Hazardous components for labeling: -

R-phrases:

S-phrases: S 2 Keep out of the reach of children.

National regulations

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

VOC content: 10%

16. Other Information

Exact wording of the R-phrases mentioned under point 2 and 3:

R 11 Highly flammable.

Data sources:

<http://www.baua.de>

Data Sheet issued by:

Product Safety Department

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.