

EU – Safety data sheet

According to 1907/2006/EC, Article 31

Revision: 22.03.2023

Version number 7.3
(replaces version 7.2)

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Printing date: 14.01.2025

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

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1.1 Product identifier

Identification of the substance or preparation:

Commercial product name:

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Nanoforms: The mixture does not contain any components in nanoform.

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

No further relevant information available.

Application of the substance / the mixture:

Abrasive and polishing compound

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SILADENT Dr. Böhme & Schöps GmbH

Street / mailbox:

Im Klei 26

Country code. / postal code / city:

D - 38644 Goslar

Phone:

Tel.: +49 (0) 53 21 / 37 79 – 0

Fax:

Fax: +49 (0) 53 21 / 38 96 32

E-mail / Website:

info@siladent.de - www.siladent.de

Further information obtainable from:

SILADENT Dr. Böhme & Schöps GmbH

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH:

+49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

Void

Hazard pictograms:

Void

Signal word:

Void

Hazard statements:

Void

Additional information:

EUH210 Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

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3.2 Mixtures

Description:

Mixture: consisting of the following components.

Dangerous components:

CAS: 68439-49-6

Alcohols, C16-18, ethoxylated, ≥15 EO - ≤25 EO

Polymer

Eye Irrit. 2, H319

≤2.5%

Additional information:

For the wording of the listed risk 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; consult doctor in case of complaints.

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After skin contact:	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

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| 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: | Treat according to symptoms. |

SECTION 5: Firefighting measures

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|---|---|
| 5.1 Extinguishing media | |
| Suitable extinguishing agents: | Water spray, foam, dry powder or carbon dioxide. |
| For safety reasons unsuitable extinguishing agents: | Water with full jet |
| 5.2 Special hazards arising from the substance or mixture: | No further relevant information available. |
| 5.3 Advice for firefighters | |
| Protective equipment: | Wear self-contained respiratory protective device.
Wear fully protective suit. |

SECTION 6: Accidental release measures

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| 6.1 Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protection recommended in section 8. |
| 6.2 Environmental precautions: | Do not allow to enter sewers/ surface or ground water. |
| 6.3 Methods and material for containment and cleaning up: | Pick up mechanically. |
| 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. |
| Information about fire - and explosion protection: | No special measures required. |
| 7.2 Conditions for safe storage, including any incompatibilities | |
| Storage: | |
| Requirements to be met by storerooms and receptacles: | Store in a well-ventilated place. Storage temperature: between 15 °C and 30 °C. |

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Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

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

SECTION 8: Exposure controls/personal protection

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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.

8.2 Exposure controls

Appropriate engineering controls:

No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.
The design of body protection equipment must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances.

Respiratory protection:

Not necessary when used as intended. Ventilate work area well. Respiratory protection is required in case of dusts/vapours/aerosols as well as increased concentration in the air (filter class according to DIN EN 141). Observe wearing time limitations.

Hand protection:

As a rule, one does not come into direct contact with the product during use.
Protective gloves must not be worn if there is a risk of the protective glove being drawn into rotating or linearly moving machine parts.
Recommendation for short-term exposure: chemical-resistant protective gloves (according to the specifications of VO (EU) No. 2016/425 and DIN EN 374).
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

Recommended thickness of the material: ≥ 0.45 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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
Nitrile rubber, NBR

Penetration time of glove material:

≥ 480 min
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Eye/face protection:

Frame goggles with side protection (according to DIN EN 166:2001, Personal eye protection - Requirements).

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state:	Solid
Colour:	Pink
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	> 40 °C (> 104 °F)
Boiling point or initial boiling point and boiling range:	> 100 °C (> 212 °F)
Flammability:	Not determined.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	> 100 °C (> 212 °F)
Decomposition temperature:	Not determined.
pH:	Not applicable.
Viscosity:	
Kinematic viscosity:	Not applicable.
Dynamic:	Not applicable.
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density:	Not determined.
Relative density:	Not determined.
Vapour density:	Not applicable.
Particle characteristics:	See section 3.

9.2 Other information

Appearance:

Form:

Solid

Important information on protection of health and environment, and on safety.

Ignition temperature:

Product is not selfigniting.

Explosive properties:

Product does not present an explosion hazard.

Solvent content:

VOC (EC):

0,00 %

Change in condition

Softening point/range

Oxidising properties:

Not determined.

Evaporation rate:

Not applicable:

Information with regard to physical hazard classes

Explosives:

Void

Flammable gases:

Void

Aerosols:

Void

Oxidising gases:

Void

Gases under pressure:

Void

Flammable liquids:

Void

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Flammable solids:	Void
Self-reactive substances and mixtures:	Void
Pyrophoric liquids:	Void
Pyrophoric solids:	Void
Self-heating substances and mixtures:	Void
Substances and mixtures, which emit flammable gases in contact with water:	Void
Oxidising liquids:	Void
Oxidising solids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity:	None under normal conditions.
10.2 Chemical stability	
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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:	Based on available data, the classification criteria are not met.
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LD/LC50 values relevant for classification:

CAS: 68439-49-6 Alcohols, C16-18, ethoxylated, ≥15 EO - ≤25 EO

Oral	LD50	>2,000 mg/kg (rat)
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Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.
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.

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

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

11.2 Information on other hazards

Endocrine disrupting properties: None of the ingredients is listed.

SECTION 12: Ecological information

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12.1 Toxicity

Aquatic toxicity:

CAS: 68439-49-6 Alcohols, C16-18, ethoxylated, ≥ 15 EO - ≤ 25 EO

LC50/96h 10-100 mg/l (fi)

EC50 (48h) >100 mg/l (dah)

12.2 Persistence and degradability

CAS: 68439-49-6 Alcohols, C16-18, ethoxylated, ≥ 15 EO - ≤ 25 EO

degradability >60 % (OECD 301 B)

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties: The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects:

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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation: Must be specially treated adhering to official regulations.

Waste disposal key: Waste codes should be determined in consultation with the customer, supplier and disposal.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR/RID, ADN, IMDG, IATA: Void

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA: Void

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA

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Class:	Void
14.4 Packing group	
ADR/RID, IMDG, IATA:	Void
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":	Void

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Regulation 1907/2006/EC, REACH concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (in the currently valid version) Regulation 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures (in the currently valid version)
Directive 2012/18/EU Named dangerous substances - ANNEX I	None of the ingredients is listed.
DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:	None of the ingredients is listed.
REGULATION (EU) 2019/1148 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)):	None of the ingredients is listed.
Annex II - REPORTABLE EXPLOSIVES PRECURSORS:	None of the ingredients is listed.
Regulation (EC) No 273/2004 on drug precursors:	None of the ingredients is listed.
Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:	None of the ingredients is listed.
15.2 Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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The information in the safety data sheet applies only to the product described in connection with its intended use. The information is based on the current state of our knowledge. In particular, they serve to describe our product with regard to the hazards it presents and the applicable safety precautions. They do not represent any assurance of product and quality properties. The information in this safety data sheet is required in accordance with Article 31 and Annex II of Regulation (EC) No 1907/2006.

Relevant phrases: H319 Causes serious eye irritation.

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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)
VOC:	Volatile Organic Compounds (USA, EU)
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Eye Irrit. 2:	Serious eye damage/eye irritation – Category 2