

SILISIL Paste 4

Safety Data Sheet

SILITECH AG encourages you to read and understand the entire Safety Data Sheet (SDS), as this document contains important information. We ask that you follow the precautions indicated in this document, unless your conditions of use require other appropriate methods or actions.

1. IDENTIFICATION

Product Name

SILISIL Paste 4

Relevant uses identified for the substance or mixture

Industrial uses

Reserved for professional users

Lubricating product

Uses not recommended

None known

Company identification

SILITECH AG

Worbstrasse 173

3073 Gümligen

Switzerland

Tel. +41 31 398 50 70

info@silitech.ch

Emergency phone number

Tox Info Suisse (24/7): +41 44 251 51 51 or 145 (Switzerland and Liechtenstein).

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

Not classified according to Regulation (EC) No 1272/2008 (CLP).

Labeling elements

Labelling according to Regulation (EC) No 1272/2008	None
Danger pictograms	None
Warning notice	None
Hazard statements	None

Other dangers

PBT	Not applicable
vPvB	Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No. Designation

Mixture of polydimethylsiloxane + silica

4. FIRST AID MEASURES

Description of first aid measures

General Information

Remove any clothing contaminated by the product immediately.

Inhalation

Provide fresh air, consult a doctor if you experience any problems.

Skin contact

Wash immediately with soap and water and rinse thoroughly. If skin irritation persists, consult a doctor.

Visual contact

Rinse your eyes under running water for several minutes, keeping your eyelids wide open. If the problem persists, consult a doctor.

Ingestion

Rinse your mouth with water. Do not induce vomiting. If symptoms persist, consult a doctor.

Burns

Not applicable.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and any special treatment needed

Treat the symptoms.

Information for doctors

Bring this safety data sheet or the label from this product.

5. FIRE FIGHTING MEASURES

Fire extinguishing agent

Suitable extinguishing media: CO₂, foam, water spray, extinguishing powder.

Specific risks associated with the substance or mixture

May produce toxic gases if heated or in case of fire. May be released in case of fire:

Carbon monoxide (CO)

CO₂

Advice for firefighters

Special safety equipment: Wear a self-contained breathing apparatus independent of ambient air.

Other instructions: Cool the containers at risk by spraying them with water.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

Personal precautions, protective equipment and emergency procedures

Wear safety equipment. Keep unprotected individuals away. Floor is particularly slippery due to spilled or contaminated materials.

Environmental precautions

Do not dispose of in drains, surface water, or groundwater.

Containment and cleaning methods and materials

Collect the liquids using an absorbent material (sand, diatomaceous earth, acid neutralizer, universal binder, sawdust). Dispose of the contaminated materials as waste in accordance with point 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Keep containers tightly closed. Ensure good ventilation/extraction in the work area. Keep away from sources of ignition – no smoking. Keep away from heat.

Safe storage conditions, including any potential incompatibilities

Open containers must be carefully resealed and kept in an upright position to prevent leaks.

Requirements for storage facilities and containers

No special requirements.

Instructions regarding shared storage

Do not store with flammable materials

Other information on storage conditions

Keep containers tightly closed. Store in a cool, dry place in tightly sealed drums. Protect from intense heat and direct sunlight. Store containers in a well-ventilated area.

Specific end use(s)

This product should only be used for the applications mentioned in section 1.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

Components with threshold values to be monitored per workstation

Nothing.

Additional notes

This document is based on the lists in force at the time of its preparation.

Exposure controls

Apply general control measures to avoid unnecessary exposure.

Appropriate technical controls

No further information provided.

General protection and hygiene measures

Observe standard safety precautions when handling chemicals. Do not eat, drink, smoke, or sniffle at work. Wash your hands before breaks and at the end of your shift. Separate restrooms, showers, and changing rooms are required.

Respiratory protection

Use respiratory protection if ventilation is insufficient.

Hand protection



Protective gloves

The glove material must be impermeable and resistant to the product/substance/preparation. Due to a lack of testing, no recommendation for a specific glove material for the product/preparation/chemical mixture can be given. The glove material should be selected based on penetration time, permeability rate, and degradation.

Glove material

EN374

Choosing the right gloves depends not only on the material, but also on other quality criteria that can vary from one manufacturer to another.

Glove material penetration time

The exact penetration time is to be determined by the manufacturer of the protective gloves and must be respected.

Eye/Face Protection

EN 166



Airtight protective goggles

Body protection

Protective workwear

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Colorless
Smell	Odorless
Olfactory threshold	Not determined
Melting/freezing point (°C)	Not determined
Boiling point or initial boiling point and boiling range	Not determined
Flammability (°C)	Not applicable
Lower/upper explosive limit (% v/v)	Not determined
Flash point (°C)	225 °C
Auto-ignition temperature (°C)	> 400 +C
Decomposition temperature (°C)	Not determined
pH	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Water solubility	Not or only slightly miscible
Oxidizing properties	Not determined
n-octanol/water coefficient (LogKow)	Not determined
Vapor pressure (20 °C)	<0.1 hPa
Density (20 °C)	1.01 g/cm ³
Relative density	Not determined
Vapor density	Not determined

Other information

Form	Paste
Auto-ignition temperature	Not determined
Explosive properties	The product is not explosive
VOC Content	0.00%
Solids content	8.0%
Evaporation rate	Not determined

Information regarding physical hazard classes

Explosive substances and mixtures	None
Flammable gases	None
Aerosols	None
Oxidizing gases	None
Pressurized gas	None
Flammable liquids	None
Flammable solid materials	None
Self-reactive substances and mixtures	None
Pyrophoric liquids	None
Pyrophoric solids	None
Self-heating materials and mixtures	None
Substances and mixtures that release flammable gases upon contact with water	None
Oxidizing liquids	None
Oxidizing solids	None
Organic peroxides	None
Substances or mixtures corrosive to metals	None
Desensitized explosives	None

10. STABILITY AND RESPONSIVENESS

Reactivity

Not determined. No other significant information available.

Chemical stability

Stable

Thermal decomposition/conditions to avoid

No decomposition occurs when stored and handled correctly.

Potential for dangerous reactions

Reactions to strong oxidizing agents

Conditions to avoid

No other significant information is available.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide and carbon dioxide, toxic gases/vapors

Additional information

Nothing.

11. TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008: acute toxicity

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

LD/LC50 values that determine classification

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

Skin corrosion/irritation

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

Serious eye injuries/irritations

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

Respiratory awareness

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

Skin sensitization

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Unique exposure to STOTs

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

Repeated exposure to STOTs

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

Danger by aspiration

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

12. ECOLOGICAL INFORMATION

Aquatic toxicity

EC 50 (72 h)	40 mg/l (algae)
NOEC	6-13 mg/l (Daphnia Magna) (21d)
EC 50 (96 h)	79.7 mg/l (Pimephales Promelas)
EC 50 (48 h)	133 mg/l (Daphnia Magna)

Persistence and degradability

No other significant information is available.

Bioaccumulation potential

It does not accumulate in organisms.

Mobility in the ground

No other significant information is available.

vPvB assessment

PBT

Not applicable.

vPvB

Not applicable.

Endocrine system disruptive properties

For information regarding endocrine-disrupting properties, refer to section 11.

Other side effects

General information

Water pollution category 1 (D) (Self-classification): low pollution.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation

Must not be disposed of with household waste. Do not allow to enter the sewers.

Uncleaned packaging, recommendation

Evacuation in accordance with legal requirements.

14. TRANSPORT INFORMATION

	UN/ID	UN Appropriate Shipping Name	Hazard classes	PG*	Environment**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packaging group

** Environmental risks

Additional Information

Non-hazardous goods according to ADR, IATA and IMDG regulations.

Special precautions for the user

Not applicable.

Bulk maritime transport according to IMO instruments

No data available.

15. REGULATORY INFORMATION

Specific regulations/legislation relating to the substance or mixture concerning safety, health and the environment

Labelling according to Regulation (EC) No 1272/2008

GHS labeling elements

Directive 2012/18/EU

Designated Hazardous Substances - Annex I

The substance is not included.

Directive 2011/65/EU

Concerning the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

The substance is not included.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVE PRECURSORS (Maximum limit value for the purpose of granting a licence under Article 5, paragraph 3)

The substance is not included.

Annex II - EXPLOSIVE PRECURSORS THAT MUST BE REPORTED

The substance is not included.

Regulation (EC) No 273/2004 on drug precursors

The substance is not included.

Regulation (EC) No 111/2005 laying down rules for the surveillance of trade in drug precursors between the Community and third countries

The substance is not included.

Water pollution class

Water pollution class 1 (Self-classification): low pollution

Chemical safety assessment

A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

Acronyms and abbreviations

ADR = Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG = International Maritime Code for Dangerous Goods

IATA = International Air Transport Association

GHS = Globally Harmonized System of Classification and Labeling of Chemicals

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

VOC = Volatile Organic Compounds (USA, EU)

LC50 = Lethal concentration, 50 percent

LD50 = Lethal dose, 50 percent

PBT = Persistent, Bioaccumulative and Toxic

vPvB = very Persistent and very Bioaccumulative

The safety data sheet is validated by

The safety data sheet has not been validated.

Other

A change (proportional to the last essential change (first encryption in the SDS version, see section 1)) is marked with a triangle.

The information contained in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended that this safety data sheet be given to the end user of the product.

The information contained in this safety data sheet cannot be used as a product specification.

Country-Language: CH-en
