



Thread cutting paste Solis Pina V4G

Print date 28.02.2023
Revision date 28.02.2023
Version 2.1 (en)
replaces version of 05.06.2020 (2.0)

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

*** 1.1 Product identifier**

Trade name/designation Thread cutting paste Solis Pina V4G

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

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 Industrial uses

Product Categories [PC]

PC 24 Lubricants, greases and release agents

Use of the substance/mixture

PC 24 lubricant, lubricant and separating agent

*** Uses advised against**

This information is not available.

*** 1.3 Details of the supplier of the safety data sheet**

Supplier

joke Technology GmbH
Asselborner Weg 14-16
D-51249 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
E-mail info@joke.de
Website <https://www.joke-technology.com/>

Department responsible for information:

Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):
sida@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg +49 (0) 761 / 1 92 40
REACH and CLP UK CA Help Desk +44 171 635 9191

*** SECTION 2: Hazards identification**

*** 2.1 Classification of the substance or mixture**

*** Remark**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

*** 2.2 Label elements**

*** Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

*** Special rules for supplemental label elements for certain mixtures**

EUH210 Safety data sheet available on request.

EUH208 Contains Benzenesulfonic acids, di-C10-14-alkyl derivatives, calcium salts. May produce an allergic reaction.

*** 2.3 Other hazards**

Adverse physicochemical effects

No data available

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Adverse human health effects and symptoms

No data available

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

*** SECTION 3: Composition / information on ingredients****3.1 Substances**

not applicable

*** 3.2 Mixtures***** Hazardous ingredients**

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
1471316-72-9	939-603-7	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	0.1 < 1 weight-%	Skin Sens. 1; H317	ATE(oral): > 5000 mg/kg ATE(dermal): > 5000 mg/kg

REACH No.

01-2119978241-36

Substance name

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

*** Additional information**

The highly refined mineral oil contains a DMSOextractable content of less than 3% (w/w) according to IP 346.

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

In the event of persistent symptoms receive medical treatment.
 Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation

Remove casualty to fresh air and keep warm and at rest.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.
 Remove contaminated, saturated clothing immediately.

*** After eye contact**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
 Consult an ophthalmologist.

*** Following ingestion**

Do NOT induce vomiting.
 Rinse mouth immediately and drink plenty of water.
 Silence.
 Seek medical advice immediately.



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4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No data available

Effects

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

*** SECTION 5: Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing media

Foam
Extinguishing powder
Carbon dioxide (CO₂)
Water mist

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO_x)
Carbon monoxide
Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

*** Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

*** SECTION 6: Accidental release measures**

*** 6.1 Personal precautions, protective equipment and emergency procedures**

*** For non-emergency personnel**

Special danger of slipping by leaking/spilling product.
Use personal protection equipment.

*** For emergency responders**

Use appropriate respiratory protection.
Forms slippery surfaces with water.

6.2 Environmental precautions

Collect contaminated water / firefighting water separately.
Do not allow to enter into surface water or drains.
Prevent spread over a wide area (e.g. by containment or oil barriers).



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* **6.3 Methods and material for containment and cleaning up**

For containment

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
After taking up the material dispose according to regulation.
Take up mechanically and send for disposal.

* **For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.
Clean with detergents. Avoid solvent cleaners.

* **6.4 Reference to other sections**

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

* **SECTION 7: Handling and storage**

* **7.1 Precautions for safe handling**

* **Protective measures**

Avoid:
Generation/formation of mist
Use only in well-ventilated areas.
Eye contact
Skin contact
Prevent small spills (danger of slipping)

* **Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff.
Remove contaminated, saturated clothing immediately.
Wash hands before breaks and after work.

* **7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage rooms and vessels

Keep/Store only in original container.
Keep container tightly closed.
Ensure adequate ventilation of the storage area.

* **Storage class**

11 Combustible solids that cannot be assigned to any of the above storage classes

Materials to avoid

Do not store together with:
Oxidising agent
Food and feedingstuffs

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.
Protect from heat and direct solar radiation.
Store at 5 to 40°C (=41 to 104°F).
Storage time: 3 years.

7.3 Specific end use(s)

Recommendation

See section 1.2



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* **SECTION 8: Exposure controls/personal protection**

* **8.1 Control parameters**

No data available

* **8.2 Exposure controls**

* **Appropriate engineering controls**

* **Technical measures to prevent exposure**
ventilation system

* **Personal protection equipment**

* **Eye/face protection**

Eye glasses with side protection
Face protection umbrella

* **Hand protection**

Information on glove material [type / type, thickness, penetration time, wetting strength]: EN 374, latex 0.5 mm, nitrile rubber 0.35 mm.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Body protection:

chemical resistant clothing recommended
Protective clothing

Respiratory protection

Respiratory protection necessary at:
insufficient exhaust
prolonged exposure

Consumer exposure controls

* **Remark**

To date, no national critical limit values exist.

* **SECTION 9: Physical and chemical properties**

* **9.1 Information on basic physical and chemical properties**

Physical state

Paste

Colour

brown

Odour

characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		

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	Value	Method	Source, Remark
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	250 °C	EN ISO 2592	
Auto-ignition temperature	320 °C	ASTM E 659	
Decomposition temperature	not determined		
pH	not determined		
Viscosity	(40°C)		not determined
Solubility(ies)	Water solubility		practically insoluble
Partition coefficient n-octanol/water (log value)	8		CAS No.1471316-72-9 Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts
Vapour pressure	not determined		
Density and/or relative density	1 g/cm ³	DIN EN ISO 12185	
Relative vapour density	not determined		
particle characteristics	not determined		

*** 9.2 Other information**

No data available

*** SECTION 10: Stability and reactivity***** 10.1 Reactivity**

This material is considered to be non-reactive under normal use conditions.

*** 10.2 Chemical stability**

The substance is chemically stable under recommended conditions of storage, use and temperature.

*** 10.3 Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Evolution of heat.

10.5 Incompatible materials

Acid
Oxidising agent, strong

10.6 Hazardous decomposition products

none



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*** SECTION 11: Toxicological information**

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

*** Acute toxicity**

*** Animal data**

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	CAS No.1471316-72-9 Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts LD50: > 5000 mg/kg Species Rat		Data apply to the main component.
Acute dermal toxicity	CAS No.1471316-72-9 Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts LD50: > 5000 mg/kg Species Rabbit		
Acute inhalation toxicity	not determined		

*** Skin corrosion/irritation**

not determined

*** Serious eye damage/irritation**

not determined

*** Sensitisation to the respiratory tract**

not determined

*** Skin sensitisation**

not determined

*** Germ cell mutagenicity**

not determined

*** Carcinogenicity**

not determined

*** Reproductive toxicity**

not determined

*** STOT-single exposure**

not determined

*** STOT-repeated exposure**

not determined

*** Aspiration hazard**

not determined

11.2 Information on other hazards

Symptoms related to the physical, chemical and toxicological characteristics

*** Additional information**

No hazards worthy of special mention.

*** Other information**

The mixture is not classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].
 Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.
 The product has not been tested. The information is derived from the properties of the individual components.
 The declarations of toxicology refer to main component.

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*** SECTION 12: Ecological information***** 12.1 Toxicity***** Aquatic toxicity**

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No.1471316-72-9 Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts LC50: > 100 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h	OECD 203	
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	CAS No.1471316-72-9 Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts EC50 > 100 mg/L Species Daphnia magna (Big water flea) Test duration 48 h	OECD 202	
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	CAS No.1471316-72-9 Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts ErC50: > 1000 mg/L Species Pseudokirchnerella subcapitata Test duration 72 h	OECD 201	
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	CAS No.1471316-72-9 Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts NOEC > 1000 mg/L Species Scenedesmus subspicatus Test duration 3 d	OECD 201	
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	CAS No.1471316-72-9 Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts EC50 > 10000 mg/L Species Bacillus subtilis		

*** 12.2 Persistence and degradability**



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	Value	Method	Source, Remark
Biodegradation	Industrial inoculum. Degradation rate 8 % Test duration 28 d	OECD	CAS No.1471316-72-9 Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

* **Assessment/classification**
 Not readily biodegradable (according to OECD criteria)

12.3 Bioaccumulative potential

No data available

* **12.4 Mobility in soil**

* **Assessment/classification**
 as delivered: viscous

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

* **12.6 Endocrine disrupting properties**

	Effective dose	Method, Evaluation	Source, Remark
Endocrine disrupting properties			This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

* **Additional ecotoxicological information**

* **Additional information**
 Do not allow uncontrolled discharge of product into the environment.

* **SECTION 13: Disposal considerations**

* **13.1 Waste treatment methods**

* **Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
120112 *	spent waxes and fats
Waste code packaging	Waste name
120112 *	spent waxes and fats

* **Appropriate disposal / Product**
 Dispose of waste according to applicable legislation.

* **Appropriate disposal / Package**
 Dispose of according to official regulations.
 Contaminated packages must be completely emptied and can be re-used following proper cleaning.



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SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

All transport carriers

No data available

Land transport (ADR/RID)

Remark

Not classified for this transport carrier.

Sea transport (IMDG)

Remark

Not classified for this transport carrier.

Air transport (ICAO-TI / IATA-DGR)

Remark

Not classified for this transport carrier.

* **SECTION 15: Regulatory information**

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

No data available

* **15.2 Chemical Safety Assessment**

For this substance a chemical safety assessment has been carried out.

* **SECTION 16: Other information**

* **Indication of changes**

* Data changed compared with the previous version



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* **Abbreviations and acronyms**

CLP: Classification, Labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service
DNEL: derived no-effect level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute Toxicity Estimate
LC50: Lethal (fatal) Concentration 50%
LD50: Lethal (fatal) Dose 50%
LL50: Lethal Loading 50 %
EC50: Effective Concentration 50%
ECHA: European Chemicals Agency
EL50: Effective Loading 50 %
ErC50: Effective Concentration 50 % reduction in growth rate
NOEC: No Observed Effect Concentration
BCF: Bioconcentration Factor
PBT: persistent and bioaccumulative and toxic
vPvB: very persistent, very bioaccumulative
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Dangerous goods regulations for transport by rail
IMDG: International Maritime Dangerous Goods
EmS: emergency procedures
MFAG: Medical First Aid Guide for Use in Accidents Involving Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IBC: Intermediate Bulk Container
VOC: Volatile organic compounds

* **Key literature references and sources for data**

European Chemicals Agency, <http://echa.europa.eu/>.
Datasheets of the manufacturer

Additional information

National and local regulations concerning chemicals shall be observed.
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Relevant H- and EUH-phrases (Number and full text)

H317 May cause an allergic skin reaction.

* **Indication of changes**

* Data changed compared with the previous version