

Diamond pastes Hyprez L and Super L

Print date 21.11.2023
Revision date 21.11.2023
Version 1.6 (en)
replaces version of 05.06.2020 (1.5)



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

*** 1.1 Product identifier**

Trade name/designation Diamond pastes Hyprez L and Super L

*** 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]

Abrasive

Use of the substance/mixture

Polishing 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 (Sprache / Language: DE, EN) +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**

Classification according to Regulation (EC) No 1272/2008 [CLP] Classification procedure

Aquatic Chronic 3, H412

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

*** 2.2 Label elements**

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

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

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- * **Precautionary statements**
 P273 Avoid release to the environment.
 P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.
- * **2.3 Other hazards**
- * **Adverse human health effects and symptoms**
 Inhalation of dust may cause irritation of the respiratory system.
 Ingesting large quantities can cause gastrointestinal irritation
 Irritating to eyes and skin.
- * **Results of PBT and vPvB assessment**
 Product does not contain any PBT / vPvB substances according to the formulation.
 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
8042-47-5	232-455-8	Weißes Mineralöl	20 - 35 weight-%	Asp. Tox. 1; H304	
9003-13-8	500-003-1	Poly[oxy(methyl-1,2-ethanediyl)], α -butyl- ω -hydroxy-	20 - 30 weight-%	Aquatic Chronic 3; H412	ATE(oral): 300- 2000 mg/kg ATE(dermal): > 2000 mg/kg ATE(dermal): 21000 mg/kg
112945-52-5		Silica, amorphous treated	1 - 10 weight-%		ATE(oral): 3160 mg/kg ATE(dermal): > 5000 mg/kg
NA	NA	Paraffinwachse	1 - 5 weight-%		ATE(oral): > 5000 mg/kg ATE(dermal): > 5000 mg/kg
128-37-0	204-881-4	2,6-Di-tert-Butyl-p-kresol	< 0.3 weight-%	STOT SE 3; H335 STOT SE 3; H336 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	ATE(oral): > 6000 mg/kg ATE(dermal): > 2000 mg/kg ATE(inhalation dust/mist): 2 mg/L
REACH No.		Substance name			
01-2119487078-27		Weißes Mineralöl			
01-2119480433-40-0000		2,6-Di-tert-Butyl-p-kresol			



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- * **Remark**
The mixture does not contain substances listed for endocrine disrupting properties according to REACH Article 59(1) or it has been determined according to the criteria of Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 that it does not contain substances with endocrine disrupting properties in a concentration equal to or greater than 0.1%.

* **SECTION 4: First aid measures**

* **4.1 Description of first aid measures**

- * **General information**
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
- 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.
In case of skin irritation, consult a physician.
- After eye contact**
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Seek medical advice immediately.
Do not rub over the eyes as this may cause damage to the cornea.
- * **Following ingestion**
Seek medical advice immediately.
Never administer anything by mouth to an unconscious person.
administer anything by mouth.
Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

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
Dry extinguishing powder
Carbon dioxide (CO₂)
Water spray jet

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide
Carbon dioxide (CO₂)

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5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.
Wear full chemical protective clothing.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings.
Do not inhale explosion and combustion gases.
Use water spray jet to protect personnel and to cool endangered containers.

*** SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide adequate ventilation.
Remove persons to safety.
Use personal protection equipment.
Remove all sources of ignition.

6.2 Environmental precautions

Collect contaminated water / firefighting water separately.
Do not allow to enter into surface water or drains.
In case of pollution of waters or sewers, inform the competent authorities.

6.3 Methods and material for containment and cleaning up

For containment

Send in suitable containers for recovery or disposal.
Take up mechanically and send for disposal.

*** 6.4 Reference to other sections**

Disposal: see section 13

*** SECTION 7: Handling and storage**

*** 7.1 Precautions for safe handling**

*** Protective measures**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Take the usual precautions when handling with chemicals.

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Avoid:

Eye contact

Skin contact

Do not inhale dust/fumes/aerosols.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.

Remove contaminated, saturated clothing immediately.

Thorough skin-cleansing after handling the product.

Work in rooms with good ventilation.

Keep separated from food and feed.

Wash hands before breaks and after work.

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

*** Packaging materials:**

Glass, carbon steel, stainless steel, polyethylene, polypropylene, polyester
 It is recommended to test the compatibility with certain plastic materials.

Requirements for storage rooms and vessels

Keep/Store only in original container.
 Keep container tightly closed.

*** Storage class**

13 Non-combustible solids that cannot be assigned to any of the above storage classes

*** Materials to avoid**

Oxidising agent

*** Further information on storage conditions**

Keep in a cool, well-ventilated place.
 Protect from heat and direct solar radiation.
 Store only in original container at temperature of 50°C maximum (=122°F).
 Protect from heat/overheating.

7.3 Specific end use(s)

No data available

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

*** 8.1 Control parameters**

*** DNEL worker**

CAS No.	Substance name	DNEL value	DNEL type	Remark
8042-47-5	Weißes Mineralöl	164.56 mg/m ³	long-term inhalative (systemic)	
8042-47-5	Weißes Mineralöl	217.05 mg/kg bw/day	long-term dermal (systemic)	

*** DNEL Consumer**

CAS No.	Substance name	DNEL value	DNEL type	Remark
8042-47-5	Weißes Mineralöl	34.78 mg/m ³	long-term inhalative (systemic)	
8042-47-5	Weißes Mineralöl	93.02 mg/kg bw/day	long-term dermal (systemic)	
8042-47-5	Weißes Mineralöl	25 mg/kg bw/day	Long-term – oral, systemic effects	

*** 8.2 Exposure controls**

*** Appropriate engineering controls**

*** Remark**

Emergency eye showers and rescue showers should be available in the immediate vicinity of any potential exposure be available.

Personal protection equipment

Eye/face protection

safety goggles



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Hand protection

impermeable gloves

Body protection:

Protective clothing

Respiratory protection

Respiratory protection necessary at:
 high concentrations

* **Environmental exposure controls**

Technical measures to prevent exposure

Take appropriate protective measures to limit or prevent emissions.

* **Remark**

Avoid release into the environment.

Additional information

The national and local legal regulations are to be observed.

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

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

* **Physical state**

solid

Colour

various

Odour

odourless

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	Melting point 75 °C		
Boiling point or initial boiling point and boiling range	> 204.4 °C		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	> 121.1 °C		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	3.6- 4.5		CAS No.112945-52-5 Silica, amorphous treated
Viscosity	Kinematic viscosity < 20.5 (40°C)		CAS No.8042-47-5 Weißes Mineralöl

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	Value	Method	Source, Remark
Viscosity	3.47 mm ² /s (0°C)	ASTM D445	CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol
Solubility(ies)	not determined		
Partition coefficient n-octanol/water (log value)	> 6		CAS No.8042-47-5 Weißes Mineralöl
Partition coefficient n-octanol/water (log value)	4.17 (37°C)		CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol
Vapour pressure	not determined		
Density and/or relative density	Relative density > 1		
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 mixture 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

High temperatures, ignition sources, incompatible materials

*** 10.5 Incompatible materials**

Bases, strong
 Oxidising agent, strong

10.6 Hazardous decomposition products

Carbon monoxide
 Carbon dioxide

*** 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.NA парафини LD50: > 5000 mg/kg Species Rat		

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	Effective dose	Method, Evaluation	Source, Remark
Acute dermal toxicity	CAS No.112945-52-5 Silica, amorphous treated LD50: 3160 mg/kg Species Rat		
	CAS No.9003-13-8 Poly[oxy(methyl-1,2-ethanediyl)], α -butyl- ω -hydroxy- LD50: 300- 2000 mg/kg Species Rat	OECD 423	
	CAS No.128-37-0 2,6-Di- tert-Butyl-p-kresol LD50: > 6000 mg/kg Species Rat	OECD 401	
	CAS No.NA парафини LD50: > 5000 mg/kg Species Rat		
	CAS No.112945-52-5 Silica, amorphous treated LD50: > 5000 mg/kg Species Rabbit		
	CAS No.9003-13-8 Poly[oxy(methyl-1,2-ethanediyl)], α -butyl- ω -hydroxy- LD50: > 2000 mg/kg Species Rat	OECD 402	
	CAS No.9003-13-8 Poly[oxy(methyl-1,2-ethanediyl)], α -butyl- ω -hydroxy- LD50: 21000 mg/kg Species Rabbit		
	CAS No.128-37-0 2,6-Di- tert-Butyl-p-kresol LD50: > 2000 mg/kg Species Rat	OECD 402	
	CAS No.128-37-0 2,6-Di- tert-Butyl-p-kresol LD50: > 2000 mg/kg Species Rabbit		
	CAS No.128-37-0 2,6-Di- tert-Butyl-p-kresol Acute inhalation toxicity (dust/mist) LC50: 2 mg/L Species Rat		
Acute inhalation toxicity			

*** Skin corrosion/irritation**

not determined

*** Serious eye damage/irritation**

not determined

Sensitisation to the respiratory tract**Assessment/classification**

No information available.

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* **Skin sensitisation**

not determined

* **Germ cell mutagenicity**

not determined

* **Carcinogenicity**

not determined

* **Reproductive toxicity**

not determined

* **STOT-single exposure**

* **STOT SE 1 and 2**

* **Other information**

May cause respiratory irritation.
May cause drowsiness or dizziness.

* **STOT-repeated exposure**

* **Other information**

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Remark

No data available

11.2 Information on other hazards

Other information

No data available

* **SECTION 12: Ecological information**

* **12.1 Toxicity**

* **Aquatic toxicity**

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	CAS No.112945-52-5 Silica, amorphous treated LC50: > 10000 mg/L Species Danio rerio (zebrafish) Test duration 96 h		
	CAS No.9003-13-8 Poly[oxy(methyl-1,2-ethanediyl)], α-butyl-ω-hydroxy- LC50: 104 mg/L Species Danio rerio (zebrafish)		
	CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol LC50: 0.199 mg/L Test duration 96 h		
Chronic (long-term) fish toxicity	not determined		

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	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) toxicity to crustacea	CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol EC50 0.48 mg/L Species Daphnia sp. 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.128-37-0 2,6-Di-tert-Butyl-p-kresol EC10 0.24 mg/L Species Pseudokirchnerella subcapitata Test duration 72 h CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol EC10 0.758 mg/L Species Scenedesmus quadricauda Test duration 96 h CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol ErC50: 6 mg/L Species Scenedesmus quadricauda Test duration 72 h	OECD 201	
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

*** 12.2 Persistence and degradability**

	Value	Method	Source, Remark
Biodegradation			CAS No.NA парафини Readily biodegradable (to OECD criteria)
Biodegradation			CAS No.8042-47-5 Weißes Mineralöl Not readily biodegradable in water
Biodegradation			CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol Not readily biodegradable in water

12.3 Bioaccumulative potential

Assessment/classification
 No data available

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12.4 Mobility in soil**Assessment/classification**

No data available

*** 12.5 Results of PBT and vPvB assessment**

Product does not contain any PBT / vPvB substances according to the formulation.
 The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects*** Additional ecotoxicological information**

	Value	Method	Source, Remark
Theoretical oxygen demand (ThOD):	2.977 g/g		CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol
Chemical oxygen demand (COD)	2.27 mgO ₂ /g		CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol
Biochemical oxygen demand	0.51 mgO ₂ /g		CAS No.128-37-0 2,6-Di-tert-Butyl-p-kresol

*** Additional information**

Do not allow uncontrolled discharge of product into the environment.
 An environmental hazard cannot be ruled out in the event of unprofessional handling or disposal

*** SECTION 13: Disposal considerations***** 13.1 Waste treatment methods****Waste codes/waste designations according to EWC/AVV**

Waste code product	Waste name
110199	wastes not otherwise specified

Appropriate disposal / Product

Dispose of waste according to applicable legislation.
 Treat by state-of-the-art technology before discharging into drains or aquatic environment.

*** Appropriate disposal / Package**

Handle contaminated packages in the same way as the substance itself.
 Dispose of according to official regulations.

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	-	-	-



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	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
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14.5 Environmental hazards - - -

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

Land transport (ADR/RID)

Remark

Not classified for this transport carrier.

Sea transport (IMDG)

Remark

not determined

Air transport (ICAO-TI / IATA-DGR)

Remark

not determined

*** SECTION 15: Regulatory information**

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

*** EU legislation**

*** Restrictions of occupation**

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
 Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

15.2 Chemical Safety Assessment

*** National regulations**

No data available

*** SECTION 16: Other information**

*** Indication of changes**

* Data changed compared with the previous version



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- * **Abbreviations and acronyms**
PBT: persistent and bioaccumulative and toxic
vPvB: very persistent, very bioaccumulative
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
ATE: Acute Toxicity Estimate
BCF: Bioconcentration Factor
BGW: Biological limit value (DE)
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging
DNEL: derived no-effect level
EC: European Community
EINECS: European Inventory of Existing Commercial Chemical Substances
ErC50: Effective Concentration 50 % reduction in growth rate
GefStoffV: Ordinance on Hazardous Substances
JArbSchG: Youth Labor Protection Act (DE)
LC50: Lethal (fatal) Concentration 50%
MuSchRiv: Maternity Protection Guideline Ordinance (DE)
SVHC: Substance of Very High Concern
WGK: water hazard class

- * **Key literature references and sources for data**
<http://echa.europa.eu/>.
Datasheets of the manufacturer

Training advice
none

- * **Additional information**
National and local regulations concerning chemicals shall be observed.
This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006.
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)

H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

- * **Indication of changes**
* Data changed compared with the previous version