

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025

Version number 1

Revision: 26.03.2025

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

· 1.1 Product identifier

· **Trade name:** Spezialkontaktpaste HCX

· **UFI:** 4300-P0FX-X00Y-GYDX

· 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** Contact paste

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

Hengelhaupt Verbindungstechnik

Inh. Mandy Fladung

Bahnhofstraße 74a

D-36404 Oechsen

Germany

Tel. +49 36967 18931 (14:00 - 17:00)

info@hengelhaupt-verbindungstechnik.de

· **Informing department:**

Tel. +49 173 844 75 27

E-Mail: info@hengelhaupt-verbindungstechnik.de

· 1.4 Emergency telephone number:

Phone +49 173 844 75 27

(Office hours 8:00 - 16:00)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

· 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

H319 Causes serious eye irritation.

· **Precautionary statements**

P102 Keep out of reach of children.

P264 Wash thoroughly after handling.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

· **Additional information:**

Please refer to further labelling elements in section 15 of this safety data sheet, if applicable.

(Contd. on page 2)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025

Version number 1

Revision: 26.03.2025

Trade name: **Spezialkontaktpaste HCX**

(Contd. from page 1)

- **Labelling of packages where the contents do not exceed 125 ml**
- **Hazard pictograms**





GHS07

- **Signal word** Warning
- **Hazard statements** Void
- **Precautionary statements**
P102 Keep out of reach of children.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties**
The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below including additives not requiring identification.

· **Dangerous components:**

CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO ₂) substance with a Community workplace exposure limit	25 - 50%
CAS: 1305-62-0 EINECS: 215-137-3 Reg.nr.: 01-2119475151-45-X	calcium dihydroxide  Eye Dam. 1, H318;  Skin Irrit. 2, H315; STOT SE 3, H335	≥ 1 - < 3%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
 - **After inhalation**
Inhalation is not considered a potential way of exposure.
If adverse effects occur, remove to uncontaminated area. If discomfort persists, contact a physician.
 - **After skin contact**
Wash with water and soap.
Wash contaminated clothing before re-use.
 - **After eye contact**
Due to consistence and application method of the product an eye contact is not expected at normal cases.
Do not rub eyes dry, the mechanical stress can cause additional cornea damages.
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
Remove contact lenses if possible.
 - **After swallowing** No adverse effects are to be expected under normal conditions of use.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
 - **After eye contact:** Serious eye irritation
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

EU

(Contd. on page 3)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025

Version number 1

Revision: 26.03.2025

Trade name: **Spezialkontaktpaste HCX**

(Contd. from page 2)

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
 - **For safety reasons unsuitable extinguishing agents** None known.
- **5.2 Special hazards arising from the substance or mixture**
During incomplete combustion carbon monoxide can be formed.
Inhalation of combustion gases may cause serious health hazards.
- **5.3 Advice for firefighters**
 - **Protective equipment:** Wear self-contained breathing apparatus.
 - **Additional information** If possible without risk, move containers from fire area.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
 - **For non-emergency personnel** No special measures required.
 - **For emergency responders** No special measures required.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, ground/soil and water bodies.
- **6.3 Methods and material for containment and cleaning up:**
Send for recovery or disposal in suitable containers.
- **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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure sufficient ventilation.
The usual precautionary measures for handling mineral oil products and chemical products must be observed.
During mechanical processing (grinding, cutting) ingredients with hazardous properties may be released.
 - **Information about protection against explosions and fires:**
Store it away from ignition sources or open fire.
 - **Handling**
Wash hands during breaks and at the end of the work.
Do not eat, drink or smoke while working.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
 - **Components with limit values that require monitoring at the workplace:**
WEL: workplace exposure limit
OEL: Occupational Exposure Limit

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025

Version number 1

Revision: 26.03.2025

Trade name: Spezialkontaktpaste HCX

(Contd. from page 3)

IOELV: Indicative Occupational Exposure Limit Values, workplace threshold value of the European Union

14808-60-7 Quartz (SiO₂)	
BOELV (European Union)	Long-term value: 0.1* mg/m ³ *respirable fraction
1305-62-0 calcium dihydroxide	
IOELV (European Union)	Short-term value: 4 mg/m ³ Long-term value: 1 mg/m ³ Respirable fraction
WEL (Great Britain)	Short-term value: 4* mg/m ³ Long-term value: 5 1* mg/m ³ *resprable fraction

· DNELs

1305-62-0 calcium dihydroxide		
Inhalative	DNEL (worker, short-term, local)	4 mg/m ³ (human)
	DNEL (worker, long-term, local)	1 mg/m ³ (human)
	DNEL (consumer, short-term, local)	4 mg/m ³ (human)
	DNEL (consumer, long-term, local)	1 mg/m ³ (human)

· PNECs

1305-62-0 calcium dihydroxide		
PNEC aqua (freshwater)		0.49 mg/L (.)
PNEC aqua (marine water)		0.32 mg/L (.)
PNEC STP - Sewage Treatment Plant		3 mg/L (.)
PNEC soil		1,080 mg/kg soil dw (.)
PNEC aqua (intermittent releases)		0.49 mg/L (.)

· Additional information: The lists that were valid during the compilation were used as basis.**· 8.2 Exposure controls****· Appropriate engineering controls**

Ensure adequate ventilation, especially in closed rooms.

Draw off vapors and fumes directly at the point of generation or release.

· Individual protection measures, such as personal protective equipment**· General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off all contaminated clothing immediately.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

· Breathing equipment:

Not required when used as intended.

Use respiratory protection in case of aerosol or mist formation.

Filter P3.

· Hand protection

Protective gloves are recommended at frequent and/or long-term skin contact with the product.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Nitrile rubber, NBR

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 can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025

Version number 1

Revision: 26.03.2025

Trade name: Spezialkontaktpaste HCX

(Contd. from page 4)

- **Penetration time of glove material**

With a lamination strenght of 0,11 mm the permeation time is > 480 min.

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

- **Eye/face protection** Safety glasses recommended if possibility of liquid splashes exists.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Solid
· Colour:	Light brown
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	Not determined
· Flammability	Not determined.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable
· Auto-ignition temperature:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· SADT	
· pH	Mixture is non-soluble (in water).
· 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 at 20 °C	0.9 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Particle characteristics	The product is not a powder.

· 9.2 Other information

· Appearance:	
· Form:	Pasty
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Change in condition	
· 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

(Contd. on page 6)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025

Version number 1

Revision: 26.03.2025

Trade name: **Spezialkontaktpaste HCX**

(Contd. from page 5)

· 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	No statement can be made on this point due to a lack of studies on the product.
	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
 - **Information on the shelf life** The product is stable.
 - **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** Pollution
- **10.5 Incompatible materials:** Avoid contact with strong oxidizing agents.
- **10.6 Hazardous decomposition products:**
None in case of intended use and storage in compliance with instructions.

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.

· **LD/LC50 values that are relevant for classification:**

1305-62-0 calcium dihydroxide

Oral	LD50	> 2,000 mg/kg (Rat) (OECD 425)
Dermal	LD50	> 2,500 mg/kg (rabbit) (OECD 402)

- **Primary irritant effect:**
 - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
 - **Serious eye damage/irritation** Causes serious eye irritation.
- **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.
- **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.
- **Additional toxicological information:**
 - **Repeated dose toxicity**
Dust of quartz can, after repeated inhalation of large amounts, cause formation of silicosis. Silicosis is regarded as a prerequisite for the formation of lung cancer after quartz exposure.

(Contd. on page 7)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025

Version number 1

Revision: 26.03.2025

Trade name: Spezialkontaktpaste HCX

(Contd. from page 6)

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

1305-62-0 calcium dihydroxide

EC50 (static) 49.1 mg/l/48h (Daphnia magna) (OECD 202)

LC50 (static) 50.6 mg/l/96h (Oncorhynchus mykiss) (OECD 203)

EC50 (static) 184.6 mg/l/72h (Raphidocelis subcapitata) (OECD 201)

· Terrestrial toxicity:

1305-62-0 calcium dihydroxide

NOEC (28 d) 2,000 mg/kg soil dw (Eisenia fetida) (OECD 222)

NOEC (21 d) 47,600 mg/kg soil dw (Beta vulgaris) (OECD 208)

· 12.2 Persistence and degradability No further relevant information available.

· Other information: There are no data available about the preparation.

· 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 No further relevant information available.

· Behaviour in sewage processing plants:

1305-62-0 calcium dihydroxide

EC50 (static) 300.4 mg/l/3h (activated sludge) (OECD 209)

· Additional ecological information:

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Smaller quantities can be disposed with household waste.

The waste code numbers mentioned are recommendations based on the probable use of the product.

· European waste catalogue

12 00 00	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01 00	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 12*	spent waxes and fats

· Uncleaned packagings:

· Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Non contaminated packagings can be used for recycling.

(Contd. on page 8)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025

Version number 1

Revision: 26.03.2025

Trade name: Spezialkontaktpaste HCX

(Contd. from page 7)

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR/RID, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR/RID, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR/RID, ADN, IMDG · Class	Void
· IATA · Class	Void Not Restricted.
· 14.4 Packing group · ADR/RID, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII**

Taking into account the intended use as specified in section 1, the relevant entries from Annex XVII are carried out.

· **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.

(Contd. on page 9)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.03.2025

Version number 1

Revision: 26.03.2025

Trade name: Spezialkontaktpaste HCX

(Contd. from page 8)

· **National regulations**

· **Water hazard class:**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

· **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

· **Classification according to Regulation (EC) No 1272/2008** Calculation method

· **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:

DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,
phone: (+49) 511 42079 - 0, reach@dekra.com.

© DEKRA Assurance Services GmbH. Changing this documents is subject to explicit acceptance by DEKRA Assurance Services GmbH.

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3