Keramic Paste 5kg

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

1.1. Product identifier
Trade name/designation:

Keramic Paste 5kg

Article No.:
T920005

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture:
Lubricants and additives

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard statements: none

Supplemental hazard information	
EUH210	Safety data sheet available on request.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statements: none

2.3. Other hazards

Other adverse effects:
The mixture does not contain substances listed for endocrine disrupting properties in accordance with REACH Article 59(1) or has been determined not to have endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Keramic Paste 5kg

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 13463-67-7 EC No.: 236-675-5 Index No.: 022-006-00-2 REACH No.: 01-2119489379-17	**Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]** Carc. 2 (H351) Warning **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, dust/mist) > 6.8 mg/L	10 – 15 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
If medical advice is needed, have product container or label at hand.

Following inhalation:
Remove person to fresh air and keep comfortable for breathing.

In case of skin contact:
Rinse skin with water.

After eye contact:
Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist

Following ingestion:
Call a POISON CENTER or doctor/physician if you feel unwell.

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 symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water spray jet, Dry extinguishing powder, Foam, Carbon dioxide (CO2)

Unsuitable extinguishing media:
Water jet

5.2. Special hazards arising from the substance or mixture
Fire hazard: Non-flammable. Explosion hazard: No direct explosion hazard. Reactivity in case of fire: The product is not explosive.

Hazardous combustion products:
Possible release of toxic fumes.

5.3. Advice for firefighters
Wear suitable work clothing. In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment:
Do not attempt to operate without suitable protective equipment. For further information on personal protective equipment: see section 8.

Emergency procedures:
Ventilate affected area.

6.1.2. For emergency responders
No data available

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Other information:
Feed substances or residues in solid form to an approved facility.

6.4. Reference to other sections
For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Protective measures
Advices on safe handling:
Ensure good ventilation/extraction at the workplace. Wear personal protection equipment (refer to section 8).

Advices on general occupational hygiene
Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels:
Store in a well-ventilated place. Keep cool.

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

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters
8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT) from 11 Sept 2007	**Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]** CAS No.: 13463-67-7 EC No.: 236-675-5	② 10 mg/m³ ⑤ (alveolengängige Fraktion, max. 2x60 min./Schicht)
MAK (AT) from 11 Sept 2007	**Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]** CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m³ ⑤ (alveolengängige Fraktion)

8.1.2. Biological limit values
No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	700 mg/kg bw/day	① DNEL worker ② Long-term – inhalation, systemic effects
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	10 mg/m³	① DNEL worker ② Long-term – inhalation, local effects

Substance name	PNEC Value	① PNEC type
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	0.184 mg/L	① PNEC aquatic, freshwater
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	0.0184 mg/L	① PNEC aquatic, marine water
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/L	① PNEC sewage treatment plant
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	1,000 mg/kg	① PNEC sediment, freshwater
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/kg	① PNEC sediment, marine water
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/kg	① PNEC soil
Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5	0.193 mg/L	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure good ventilation/extraction at the workplace.

8.2.2. Personal protection equipment



Eye/face protection:
Safety goggles with side shields (EN 166).

Skin protection:
Wear suitable protective clothing when working.
Hand protection: Wear protective gloves.

Respiratory protection:
In case of inadequate ventilation wear respiratory protection.

Thermal hazards:
No further relevant information available.

8.2.3. Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance

Form: Paste
Colour: white
Odour: characteristic
flammability: No data available

Safety relevant basis data

Parameter	Value	① Method ② Remark
Melting point	*not applicable*	
Initial boiling point and boiling range	*No data available*	
Evaporation rate	*No data available*	
Vapour pressure	*No data available*	
Density	1.2 – 1.3 g/cm³	
Water solubility	*No data available*	

9.2. Other information

No further relevant information 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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none. Further information on proper storage: see section 7.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
LD_{50} oral: >5,000 mg/kg (Rat) OECD 425
LD_{50} dermal: >5,000 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (dust/mist): >6.8 mg/L (Rat)

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

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.

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:
No further relevant information available.

SECTION 12: Ecological information

12.1. Toxicity

Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
LC_{50}: >100 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203
LC_{50}: >100 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
EC_{50}: 16 mg/L 3 d (Algae/water plant, Pseudokirchnerie lla subcapitata) U.S. EPA-600/9- 78-018

Aquatic toxicity:
No further relevant information available.

Sediment toxicity:
No further relevant information available.

Terrestrial toxicity:
No further relevant information available.

Assessment/classification:
No further relevant information available.

12.2. Persistence and degradability

Abiotic degradation:
No further relevant information available.

Biodegradation:
No further relevant information available.

Additional information:
No further relevant information available.

12.3. Bioaccumulative potential

Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
Bioconcentration factor (BCF): 9.6

Bioconcentration factor (BCF):
No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm] CAS No.: 13463-67-7 EC No.: 236-675-5
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

No further relevant information available.

12.7. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of contents/container to an appropriate recycling or disposal facility.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

Does not contain a substance subject to the restrictions of Annex XVII of REACH. Does not contain a REACH candidate substance. Does not contain a substance listed in REACH Annex XIV. Does not contain any substance subject to Regulation (EU) 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals. Does not contain any substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants. Does not contain any substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 concerning the placing on the market and use of precursors to explosives.

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

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16.1. Indication of changes

2.2.	Label elements
3.2.	Mixtures
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
14.3.	Transport hazard class(es)
16.1.	Indication of changes
16.2.	Abbreviations and acronyms

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16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail

UN United Nations

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H351	Suspected of causing cancer.

16.6. Training advice
No data available

16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.