

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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## 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].

#### 2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

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.

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### SECTION 3: Composition/information on ingredients

#### 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	<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq 10 \mu\text{m}</math>]</b> Carc. 2 (H351) Warning	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 (CO<sub>2</sub>)

##### 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.

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### 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

### 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	<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	② 10 mg/m <sup>3</sup> ⑤ (alveolengängige Fraktion, max. 2x60 min./Schicht)
MAK (AT) from 11 Sept 2007	<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser ≤ 10 µm]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m <sup>3</sup> ⑤ (alveolengängige Fraktion)

#### 8.1.2. Biological limit values

No data available

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### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq</math> 10 <math>\mu</math>m]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	700 mg/kg bw/day	① DNEL worker ② Long-term - inhalation, systemic effects
<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq</math> 10 <math>\mu</math>m]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	10 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
Substance name	PNEC Value	① PNEC type
<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq</math> 10 <math>\mu</math>m]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	0.184 mg/L	① PNEC aquatic, freshwater
<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq</math> 10 <math>\mu</math>m]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	0.0184 mg/L	① PNEC aquatic, marine water
<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq</math> 10 <math>\mu</math>m]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/L	① PNEC sewage treatment plant
<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq</math> 10 <math>\mu</math>m]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	1,000 mg/kg	① PNEC sediment, freshwater
<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq</math> 10 <math>\mu</math>m]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/kg	① PNEC sediment, marine water
<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq</math> 10 <math>\mu</math>m]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/kg	① PNEC soil
<b>Titandioxid; [in Pulverform mit mindestens 1% Partikel mit aerodynamischem Durchmesser <math>\leq</math> 10 <math>\mu</math>m]</b> CAS No.: 13463-67-7 EC No.: 236-675-5	0.193 mg/L	① PNEC aquatic, intermittent release

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### 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

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: Paste

Colour: white

Odour: characteristic

#### Safety relevant basis data

Parameter	Value	① Method ② Remark
Melting point	<i>not applicable</i>	
Initial boiling point and boiling range	<i>No data available</i>	
Evaporation rate	<i>No data available</i>	
Vapour pressure	<i>No data available</i>	
Density	1.2 - 1.3 g/cm <sup>3</sup>	
Water solubility	<i>No data available</i>	

### 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.

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### 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  $\leq 10 \mu\text{m}$ ]**

CAS No.: 13463-67-7 EC No.: 236-675-5

**LD<sub>50</sub> oral:** >5,000 mg/kg (Rat) OECD 425

**LD<sub>50</sub> dermal:** >5,000 mg/kg (Rabbit)

**LC<sub>50</sub> 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  $\leq 10 \mu\text{m}$ ]**

CAS No.: 13463-67-7 EC No.: 236-675-5

**LC<sub>50</sub>:** >100 mg/L 4 d (fish, *Oncorhynchus mykiss*) OECD 203

**LC<sub>50</sub>:** >100 mg/L 2 d (crustaceans, *Daphnia magna*) OECD 202

**EC<sub>50</sub>:** 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.

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### 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  $\leq 10 \mu\text{m}$ ]**

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  $\leq 10 \mu\text{m}$ ]**

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)
<b>14.1. UN number or ID number</b>			
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.
<b>14.2. UN proper shipping name</b>			
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.
<b>14.3. Transport hazard class(es)</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

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### 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

#### 16.1. Indication of changes

No data available

#### 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
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
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.
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### 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.