

According to Directive 1907/2006 EC, Article 31

Print date: September 2nd, 2019 Vers.1 / revised on July 28th, 2022 / Vers.2 replaced on July 28th, 2022

Press-Pellets
Lithium Disilicate Glass Ceramic
Art. numbers see appendix

Section 1: Identification of the substance/preparation and company

- 1.1 Trade name: K2-Li-Press Pellets 5x3g. (HT-highly translucent, LT-lowly translucent, MO-medium opaque)
- 1.2 Use of the substance: Dental sector Type of use: Production of long-term, fixed dental prostheses
- 1.3 Supplier / company name: YETI Dentalprodukte GmbH
- Street: Industriestraße 3
- Postal code: D-78234 Engen
- E-mail: sdb@yeti-dental.com Information on the substance / preparation:
- Tel. 0 77 33 / 94 10 0 FAX 0 77 33 / 94 10 22
- 1.4 Emergency information: Tel. 0 77 33 / 94 10 0
(Mon. – Thurs. 8 a.m. – 4.30 p.m., Fri. 8 a.m. – 2 p.m.)

)

Section 2: Hazards Identification

- 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP) Eye.Irrit.2 H319 causes serious eye irritation Wording of the hazard statements: STOT SE3 H335 may cause respiratory irritation
- 2.2 Label elements Labeling according to Regulation (EC) No. 1272 / 2008 Hazard statements may release toxic smoke/vapours in the event of fire



Hazard pictograms (CLP)

Signal instructions Warning / Safety instructions

P261 Avoid breathing dust, fumes, gas, mist, vapors, spray

P264 Wash thoroughly after handling

P271 Use only outdoors or in a well-ventilated area

P280 Wear protective gloves, protective clothing, eye protection

P312 If you feel unwell, call a poison control center or doctor

P304+P340 If inhaled: Remove to fresh air and keep at rest

P337+P313 If eye irritation occurs, get medical advice/attention

P305+P351+P338 If in contact with eyes, rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.

P405 Store locked up

P403+P233 Store container tightly closed in a well-ventilated place

P501 Dispose of in accordance with local, regional, national, international regulations

2.3 Other hazard statements

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII. Direct contact with grinding dust can cause eye and skin irritation.

Pay attention to safety instructions when using the substances

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Section 3: Composition / Information on ingredients

- 3.1 Chemical characterization Product CAS No. EC No. Lithium metasilicate 10102-24-6 233-270-5
3.2 Further information: No further relevant information is available

Section 4: First aid measures

4.1 Description of first aid measures

General information: Remove contaminated clothing and wash before re-wearing.
In the event of an accident or if you feel unwell, consult a doctor.

After inhalation: Take the person out into the fresh air. If symptoms persist, consult a doctor

After skin contact: Wash with soap and water. If skin irritation occurs, consult a doctor

After eye contact: Remove contact lenses. Rinse with water for several minutes. Consult a doctor

After swallowing: Rinse mouth with plenty of water. Never give anything to an unconscious person.
Do not induce vomiting. Consult a doctor

Protection for first aiders: Untrained personnel must be removed from the danger area
and protected from contamination.

4.2 Important acute and delayed symptoms and effects: No information is available.

4.3 Indication of any immediate medical attention or special treatment needed
First aid, decontamination, symptomatic treatment

Section 5: Firefighting measures

5.1 Suitable extinguishing agents: the product itself does not burn. Extinguishing measures adapt to the environment. Unsuitable extinguishing agents: No data available

5.2 Special hazards arising from the substance/mixture: In the event of fire, carbon dioxide/monoxide can be produced:

5.3 Advice for firefighters: In the event of fire, wear a breathing apparatus that is independent of the environment

Additional information: Do not allow fire extinguishing water to enter drains and waterways. Dispose of fire residues and fire extinguishing water according to local regulations.

The material is not explosive and is not flammable in the atmosphere.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General information:

See protective measures and points 7 and 8. For personal protective equipment, see section 8
Ensure adequate ventilation. Avoid dust formation. Do not breathe dust, mist and fumes. If ventilation is inadequate, wear respiratory protection. Avoid contact with skin, eyes and clothing.

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Remove non-emergency personnel to safety Emergency responders: No information available. Not applicable

6.2 Environmental precautions: Do not allow to enter drains, waterways, subsoil or soil.

6.3 Methods and material for containment and cleaning up CONTAINMENT: Avoid dust formation, collect spilled material mechanically. Collect in suitable, closed containers and dispose of in accordance with official regulations CLEANING: Clean with detergents. Avoid solvents. Other information: Provide fresh air

6.4 Reference to other sections Safe handling: See section 7, Personal protective equipment: See section 8, Disposal: See section 13

Section 7: Handling and storage

7.1 Protective measures for safe handling. Note on safe handling

-Wear personal protective equipment (see section 8). Keep containers tightly closed. Avoid contact with skin, eyes and clothing. Avoid release into the environment. Immediately remove spilled quantities. Avoid dust formation and deposits. Do not inhale dust. If ventilation is inadequate, wear respiratory protection. If necessary, use selective extraction at critical points.

Note on fire and explosion protection -Keep away from heat, sparks, open flames and hot surfaces

Note on general hygiene measures in the workplace -Minimum standards for protective measures when handling work materials are listed in TRGS 500. Contaminated clothing must be washed before reuse. Do not eat, drink or smoke at the workplace. Wash hands thoroughly before breaks and at the end of work. Use skin care products.

7.2 Conditions for safe storage, taking into account any incompatibilities. Requirements for storage rooms and containers -Only store in the original container. Keep dry and protect from moisture Information on storage in one container -Keep away from food, drinks and animal feed. Further information on storage conditions -Avoid frost. Protect from heat and direct sunlight. Handle with care – Avoid impacts, friction and blows. Storage class according to TRGS 510 -13 (non-flammable solids that cannot be assigned to any of the LGKs mentioned above)

7.3 Specific end uses -No data available

Section 8. Exposure controls and personal protection equipment

8.1 Parameters to be monitored / Workplace exposure limits (TRGS 900)

CAS No.	Designation	mg/m ³	Peak limitation
10102-24-6	General dust limit value	1.25A	
	Alveolar common fraction		
	General dust limit value	10E	2 (II)
	Inhalable fraction		

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8.2 Limiting and monitoring exposure/suitable technical control devices

Technical ventilation of the workplace

Personal protective equipment Eye/face protection: -tight-fitting safety goggles with side protection
DIN EN 166

Hand protection -tested chemical protection gloves EN ISO 374 suitable: nitrile/butyl rubber. Ask the manufacturer about breakthrough times

Body protection -wear protective clothing

Respiratory protection -normally only use respiratory protection if the limit is exceeded when dust is generated. Particle filter device DIN EN 143

Thermal hazards -no information available Limiting and monitoring environmental exposure -see section 7.

No further measures are required

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	solid (ingots/cylinders)
Colour:	white / beige
Odour:	neutral
Changes in state	
Melting point:	No data available
Boiling point:	No data available
Flash point:	Not applicable
Ignition temperature:	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapour pressure:	No data available
Density:	No data available
Solubility in water:	insoluble
Partition coefficient	
n-octano/water	No data available
Bulk density:	No data available
Relative vapor density	No data available
Kinematic viscosity	Not applicable

9.2 Other information/information on physical hazard classes

Oxidising properties	No data available
Solids content	No data available
Evaporation rate	No data available
Further information	No further information is available

Section 10. Stability and reactivity

10.1 Reactivity: When used as intended, no dangerous reactions are known

10.2 Chemical stability: Under the recommended conditions, the product is chemically stable

10.3 Possibility of hazardous reactions: No information available

10.4 Conditions to avoid: Incompatible materials. Heat, flames, sparks

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10.5 Incompatible materials: Strong oxidizing substances

10.6 Hazardous decomposition products: Metal oxides other information: No further information available

Section 11. Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism, distribution: No information available

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

Carcinogenicity: Lithium metasilicate CAS 10102-24-6 IARC (not listed) NTP (not listed)

Irritation and corrosivity: Severe eye irritation Category 2. May cause respiratory irritation Category 3.

Sensitizing effects: Based on the available data, the classification criteria are not met. Data, the classification criteria are not met

Carcinogenic, mutagenic and toxic effects for reproduction

Based on the available data, the classification criteria are not met

Specific target organ toxicity after single exposure

Based on the available data, the classification criteria are not met

Specific target organ toxicity after repeated exposure

Based on the available data, the classification criteria are not met

Aspiration hazard: Based on the available data, the classification criteria are not met

Experience from practice: If in contact with the eyes, dust/mist can cause mechanical irritation. If inhaled, dust and mist can irritate the respiratory tract

Section 12. Ecological information

12.1 Toxicity: No information available

12.2 Persistence/degradability: No information available

12.3 Bioaccumulative potential: No information available

12.4 Mobility in soil: No information available

12.5 PBT/vPvB results The substances do not meet the criteria (lithium metasilicate) according to REACH, Annex XIII

12.6 Endocrine disrupting property The product does not contain any substance that has endocrine disrupting properties towards non-target organisms. No ingredient meets the criteria

12.7 Other harmful effects No information available

Further information: Water hazard class 2

Section 13. Disposal considerations

13.1. Waste treatment methods Recommendation for disposal Disposal in accordance with official regulations. Waste key numbers/waste designations must be carried out in accordance with EAKV sectors and process-specific (AVV 200130). Hazardous waste in accordance with Directive 2008/98/EC (Waste Framework Directive).

Disposal of uncleaned packaging and recommended cleaning agents

Disposal in accordance with official regulations. Uncontaminated and completely emptied packaging can be recycled.

Section 14. Transport

Land transport (ADR/RID)

14.1 UN number: Not a dangerous good in the sense of the transport regulations

Inland waterway transport (ADN) Not a dangerous good in the sense of the transport regulations

Sea transport (IMDG) Not a dangerous good in the sense of the transport regulations

Air transport (ICAO) Not a dangerous good in the sense of the transport regulations

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14.5 Environmental hazards none known

14.6 Precautionary measures for The user: Not a dangerous good in the sense of the transport regulations

14.7 Transport in bulk according to MARPOL-IBC Code Not a dangerous good in the sense of the transport regulations

Section 15. Legislation

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture. EU regulations Information on the SEVESO III Directive 2012/18/EU is not subject to the SEVESO III Directive

Additional information: Safety data sheet in accordance with Regulation (EC) No. 1907/2006 REACH
Classification in accordance with Regulation (EC) No. 1272/2008 [CLP]

Directive (EU) 2018/851 of the European Parliament and of the Council of 30 May 2018 amending Directive 2008/98/EC on waste. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain directives.

National regulations 2-significantly hazardous to water

Status Classification of mixtures according to Annex 1, No. 5 AwSV

Additional information DE: Hazardous Substances Ordinance on the handling of substances hazardous to water (AwSV). DGUV information 213-850 / 213-730

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out

Section 16. Other information

Abbreviations: n. a. = not applicable, n. b. = not determined, n. z. = not applicable

Abbreviations and acronyms:

CAS Chemical Abstracts Service

GHS Globally Harmonized System of Classification and Labelling of Chemicals" "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations

CLP Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures

IATA International Air Transport Association

IATA-DGR International Air Transport Association-Dangerous Goods Regulations

ICAO International Civil Aviation Organization

ICAO-TI International Civil Aviation Organization-Technical Instructions

IMDG Code International Maritime Code for Dangerous Goods

LC50 Lethal Concentration, 50 percent

LD50 Lethal Doses, 50 percent

EC50 mean effective concentration

DNEL Derived No-Effect Level

PNEC Predicted No-Effect Concentration

PBT Persistent, bioaccumulative, toxic

vPvB very persistent and very bioaccumulative

RID Regulations concerning the international transport of dangerous goods by rail

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Text of H and EUH statements (number and full text)

H319 causes serious eye irritation

H335 may cause respiratory irritation

H412 harmful to aquatic life with long lasting effects

The information in this safety data sheet corresponds to our current state of knowledge and complies with the national and EC legislation in force at the time. However, all statements, recommendations or suggestions contain an express or implicit guarantee or warranty on our part. We therefore do not guarantee the accuracy and completeness of this document and disclaim any liability in connection with the use of this information or the products listed therein. The user's stated working conditions are beyond our knowledge and control. The product must not be used for any purpose other than that stated in section 1 without written permission. The user is responsible for complying with all necessary legal provisions and acts at his own risk. Information may change without notice. The information in this safety data sheet describes the safety requirements of our product, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship.

Artikel / article / Article / Artículo

387-8001	387-8002	387-8003	387-8011	387-8012	387-8021	387-8031
387-8032	387-8033	387-8034	387-8101	387-8102	387-8103	387-8111
387-8112	387-8121	387-8131	387-8132	387-8133	387-8134	387-8201