

Safety Data Sheet

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

1.1 Product identifier CC DISK PEEK

1.2 Relevant identified uses of the substance or mixture and uses advised against

Used in CAD/CAM milling machines for producing removable and fixed prosthetic restorations, crowns and bridges.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:	INTERDENT d.o.o.	<i>Production:</i> INTERDENT d.o.o.
Street:	Opekarniška cesta 26	Dol 1
Country code /Postal code/City:	SI-3000 Celje	SI-3342 Gornji Grad
Telephone:	+386(0) 425-62-00	
Fax:	+368(0) 425-62-02	

1.4 Emergency telephone number:

Emergency phone: 112 (EU)
+386(0) 425-62-00 (Mon. – Fri.: 8.00 – 16.00)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Product is not classified as hazardous according to Regulation (EC) No 1272/2008.

2.2 Label elements

EUH212: Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

EUH210: Safety data sheet available on request.

2.3 Other hazards

Routes of Entry/Exposure:

CC DISK PEEK in its usual solid form and under normal conditions do not present an inhalation, ingestion, or contact health hazard. In very rare cases, a patient may develop an allergy to PEEK.

Carcinogenicity:

IARC, NTP and OSHA do not list product as a carcinogen.

Safety Data Sheet

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Material on the base of polyether ether ketone.

Chemical name	CAS Nr.	%
Polyether ether ketone (PEEK)	29658-26-2	> 80
TiO₂	13463-67-7	< 20

SECTION 4: First Aid Measures

4.1 Description of first aid measures

After inhalation:

Remove person to fresh air and keep comfortable for breathing. In case of respiratory tract irritation, consult a physician.

After skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After swallowing:

IF SWALLOWED: Call a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

N.A.

4.3 Indication of any immediate medical attention and special treatment needed

N.A.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, alcohol resistant foam, water spray jet.

Unsuitable extinguishing media: High power water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, irritant

Safety Data Sheet

Harmful: eyes, lung

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Co-ordinate fire-fighting measures to the fire surroundings. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen. Advice for firefighters. Do not inhale explosion and combustion gases.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

6.2 Environmental precautions

Prevent material from entering sewers or waterways.

6.3 Methods and material for containment and cleaning up

Take up mechanically. Avoid dust formation. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Avoid dust formation. Protect from moisture. Provide adequate ventilation as well as local exhaust at critical locations. To follow: Occupational exposure limit values

7.2 Conditions for safe storage, including any incompatibilities

Keep/Store only in original container. Keep the packing dry and well-sealed to prevent contamination and absorption of humidity. Keep away from: Frost, Heat. Handle with care - avoid bumps, friction and impact.

7.3 Specific end use(s)

Product is used in dental laboratories.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Safety Data Sheet

N.A.

8.2 Exposure controls

Appropriate engineering controls

Technical ventilation of workplace.

Personal protective equipment

General protection and hygienic measures:

Work in well-ventilated zones or use proper respiratory protection.

Only wear fitting, comfortable and clean protective clothing.

Wash hands before breaks and after work.

Separate storage of work clothes.

Breathing equipment:

Particle filter device FFP1 (EN 143) when processing.

Protection of hands:

Suitable gloves according to EN 374-1:2016.

Eye protection:

Suitable eye protection:

Safety glasses EN 166:2002

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Colour	According to product specifications
Odour	odourless
Boiling point	n.a.
Melting point	n.a.
Flammability	n.a.
Lower and upper explosion limit	n.a.
Flash point	n.a.
Auto-ignition temperature	n.a.
Decomposition temperature	n.a.
pH	n.a.
Kinematic viscosity	n.a.
Solubility in water	n.a.
Partition coefficient n-octanol/water (log value)	n.a.
Vapour pressure	n.a.

Safety Data Sheet

Density at 20°C	1,5 g/cm ³
Relative vapour density	n.a.
Particle characteristics	n.a.

9.2 Other information

No other information.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is stable under storage at normal ambient temperatures.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reaction

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Carbon dioxide (CO₂), CO

SECTION 11: Toxicology information

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

Toxicokinetic, metabolism and distribution:

Toxicological information has not been established for this product as sold.

Acute Health Effects:

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

Chronic Health Effects:

Irritation:

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

Corrosivity:

Safety Data Sheet

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

Sensitization:

The product contains small quantities of sensitizing substances. Allergic reactions were reported among humans.

Carcinogenicity:

IARC, NTP and OSHA do not list PEEK as carcinogens.

Teratogenicity/Mutagenicity:

No data available.

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: No data available

11.2 Information on other hazards

No other information available.

SECTION 12: Ecological information

12.1 Toxicity

Not expected to cause ecological effects based on to present knowledge.

12.2 Persistence and degradability

Considered inert material and not expected to be biodegradable.

12.3 Bioaccumulative potential:

No ecotoxicological data is available for the product. On the basis of existing data about the elimination/degradation and bioaccumulation potential long-term damage to the environment is unlikely.

12.4 Mobility in soil

No data is available for the product.

12.5 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 Other adverse effect

Not known for the product.

Safety Data Sheet

SECTION 13: Disposal consideration

13.1 Waste treatment methods

Dispose according to the local law.

SECTION 14: Transport Information

	Land-Road/Railway (ADR/RID):	Inland waterways (ADNR):	Sea (IMDG):	Air (IATA):
14.1 UN number	No data available			
14.2 UN proper shipping name	No data available			
14.3 Transport hazard class(es)	No data available			
14.4 Packing group	No data available			
14.5 Environmental hazards	No data available			
14.6 Special precautions for user	No special precautions			
14.7 Maritime transport in bulk according to IMO instruments	No data available			
Not a dangerous product within the meaning of the transport regulations.				

SECTION 15: Regulatory information

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

EU Label Information:

Classification and labeling have been performed according to Regulative 1272/2008.

EU Hazard Symbol and Indication of Danger:

According to Regulation EC 1272/2008 this product is not classified.

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Revision:

Version 03 issued on January 2023 in accordance with EC 1907/2006 (Commission Regulation (EU) 2015/830) and EC 1272/2008.

Safety Data Sheet

Revision in accordance to changes in COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Legend of abbreviations:

ADR - Accord européen relatif au transport international des marchandises dangereuses par route

CAS - Chemical Abstracts Service

CLP – Classification, labeling and packaging

CMR - Carcinogenic, Mutagenic or toxic for Reproduction

DNEL - Derived No-Effect Level

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EmS Emergency Schedule

GHS "Globally Harmonized System of Classification and Labelling of Chemicals"

IARC: International agency for research on cancer

IATA International Air Transport Association

IATA/DGR Dangerous Goods Regulations (DGR) for the air transport (IATA)

ICAO International Civil Aviation Organization IMDG International Maritime

Dangerous Goods Code PBT persistent bioaccumulative, toxic

LD50: Median lethal dose; the dose causing 50% lethality

NTP: National toxicology program

OSHA: Occupational safety and health administration

OEL: Occupational exposure limit

OSHA PELs: Permissible Exposure Limits - 8-hour TWA (time-weighted average) concentrations unless otherwise noted.

PNEC Predicted No-Effect Concentration

PPM parts per million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Règlement concernant le transport International ferroviaire des marchandises

Dangereuses št. vPvB very Persistent and very Bioaccumulative (zelo obstojno in se zelo lahko kopiči v organizmih)

References:

IARC (2006); International Agency for Research on Cancer (IARC).

<http://monographs.iarc.fr/ENG/Classification/>

NTP, Report on Carcinogens. 2016.

<https://ntp.niehs.nih.gov/pubhealth/roc/>

Safety Data Sheet

OSHA; Exposure limits and health effects.

https://www.osha.gov/dts/chemicalsampling/data/CH_229100.html

Disclaimer of expressed and implied warranties:

The information contained in the safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.