

SAFETY DATA SHEET**DD PMMACast, DD PMMACast AG, DD PMMACast ZZ****1 Identification of the substance/preparation and of the company/undertaking****Produkt details:**

Trade name: DD PMMACast, DD PMMACast AG, DD PMMACast ZZ

Application of the substance: DD PMMACast, DD PMMACast AG, DD PMMACast ZZ is a residue free combustible PMMA plastic for the casting / burn out technique.

Manufacturer/Supplier:

Dental Direkt GmbH
Industriezentrum 106-108
32139 Spenge (Germany)

2 Hazards identification

Hazard description: Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest edition of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients**Chemical characterisation**

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components: Void

Additional information: For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.

5 Fire-fighting measures

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

Protective equipment: No special measures required.

6 Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection: No special measures required.

Measures for cleaning/collecting: Pick up mechanically.

Additional information: No dangerous substances are released.

7 Handling and storage**Handling:****Information for safe handling:**

Ensure that suitable extractors are available on processing machines

No special measures required.

Information about fire - and explosion protection: No special measures required.

Storage:**Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**8 Exposure controls/personal protection****Additional information about design of technical facilities:** No further data; see item 7.**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis**Personal protective equipment:****General protective and hygienic measures:** Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection.**Respiratory protection:** Not required.**Protection of hands:** Not required.**Material of gloves:** Void**Penetration time of glove material:** Void**Eye protection:** Not required.**Body protection:** Protective work clothing**9 Physical and chemical properties****General Information****Form:** Solid**Colour:** Different according to colouring**Odour:** Product specific**Change in condition****Melting point/Melting range:** ca. 100°C**Boiling point/Boiling range:** Undetermined.**Danger of explosion:** Product does not present an explosion hazard.**Density at 20°C:** 1.19 g/cm³**Solubility in / Miscibility with water:** Insoluble.**pH-value:** Not applicable**Solvent content: Organic solvents:** 0.0 %**Solids content:** 100 %**10 Technical data****Polymethylmethacrylate (PMMA)****modulus of Elasticity** 2390 MPa**blending strength** 95 MPa**yield** 60 MPa**tensile strength** 82 MPa**water absorption** < 30µg / mm²**elongation** 6%**11 Stability and reactivity****Thermische Zersetzung / zu vermeidende Bedingungen:****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.**Dangerous decomposition products:** No dangerous decomposition products known.

12 Toxicological information

Acute toxicity:**Primary irritant effect:**

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

13 Ecological information

General notes: Not known to be hazardous to water.

14 Disposal considerations

Product:

Recommendation: Smaller quantities can be disposed of with household waste.

Europäischer Abfallkatalog

12 00 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 05 plastics shavings and turnings

Uncleaned packaging:**Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product. Packaging may be reused or recycled after cleaning.

15 Transport information

Land transport ADR/RID (cross-border) ADR/RID class: -

Maritime transport IMDG:

IMDG Class:-

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

16 Labelling according to EU guidelines:

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

National regulations:

Waterhazard class: Generally not hazardous for water.

17 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.