

E.C.Safety Data Sheets according with regulation (EC) 1907/2006 for powder Tradename: mega-PRESS NV / mega-PRESS LV / mega-JET X (Powder)	megadental GmbH Seeweg 20 D-63654 Büdingen
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1. Identification of the substance/preparation and of the company/undertaking

Information on the product	
Trade name:	mega-PRESS NV / mega-PRESS LV / mega-JET X (Polymer/Powder)
Use / Purpose:	Denture Base Resin, self-curing acrylic, powder component of the 2-component acrylic system based on methyl methacrylate (powder and liquid), for the purpose of crafting individual dentures.
Information on the manufacturer	megadental GmbH Seeweg 20 D-63654 Büdingen Tel: +49(0) 6042-97550 FAX: +49(0)6042-975520 Quality Management Mr. Murat Büyük

2. Hazards identification

No particular hazards known.

3. Composition/information on ingredients

Chemical characterization	Acrylic polymer on the basis of methyl methacrylate
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4. First aid measures

General Information	Remove contaminated clothing
After inhalation:	In case of complaints get medical treatment.
After contact with skin:	Wash off with water and soap. Consult a physician if irritation persists.
After contact with eyes:	Flush eyes thoroughly with a large amount of water consult a physician.
After ingestion:	Rinse out mouth and give plenty of water to drink. Obtain medical advice.

5. Fire-fighting measures

Suitable extinguishing media:	foam, dry chemical, carbon dioxide, water spray
Unsuitable extinguishing media for safety reasons:	full water jet
Special protective equipment for fire:	Wear self-contained breathing apparatus.

6. Accidental related measures

Precautionary measures related to people	Avoid dust information. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. Use personal protective clothing. High risk of slipping due to leakage/spillage of product.
Methods of cleaning / adsorption	Take up mechanically. Dispose of in accordance with regulations.

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(Powder)

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mega_PRESS_JET_Pul_SDB_E
N.doc**7. Handling and storage****Instructions on safe handling**

Avoid the formation and deposition of dust.

Information on fire and explosion protection

In the event of fire, cool the endangered containers with water.

Storage**Requirements for storage areas and containers**

Keep only the original container at a temperature not exceeding 30°C. Protect from sun. Storage: dry.

8. Exposure controls/personal protection**Occupational exposure controls**

For monitoring procedures refer to for instance "NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health

Personal protective equipment**General protective measures:**

Do not inhale dust. Avoid contact with eyes and skin.

Hygiene measures:

Remove contaminated clothing. Store work clothing separately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

Respiratory protection:

Respiratory protection in case of dust formation, short term: filter appliance, filter P2

Eye protection:

Tightly fitting goggles

Hand protection:

Butyl rubber gloves (0,7 mm),

general information:Gloves should be changed regularly, especially after over excessive contact with the product.
A different type of glove should be considered for each workspace.**9. Physical and chemical properties****Appearance**

Form: Powder

Colour: According the product specification

Odour: Odourless

Changes in physical state

Softening temperature approx. 110 °C

Melting point not applicable

Flashpoint ~ 390 °C

Ignition temperature ~ 465 °C

Self ignition ability not applicable

lower explosion limit not determined

upper explosion limit not determined

vapour pressure not applicable

Density 1,1 – 1,2 g/cm³ (at 20 °C)bulk density 600 to 750 Kg/m³ (at 20 °C)

solubility in water insoluble

solubility in oil not determined

qualitative solubility in esters, ketenes and chlorinated hydrocarbons readily soluble

pH-value: not applicable

dynamic viscosity not applicable

Additional Information

Dust explosions are generally to be expected with dust-forming organic products.

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10. Stability and reactivity

Thermal decomposition:

> 250 °C

hazardous reactions:

No hazardous reactions known.

hazardous decomposition products:

None when used as directed. During thermal decomposition combustible, the eyes and respiratory system irritating vapours are formed, consisting mainly of **methyl methacrylate, methyl acrylate, n-butyl methacrylate.**

11. Toxicological information

Acute Oral Toxicity

There is no toxicological data available for his product.

General information

The product contains small amounts of sensitising substance (see chapter 15). After intensive contact with the skin, especially with the dissolved product, these substances may produce an allergic reaction to persons already sensitised. The fine particles contained in the product may cause mechanical irritations of the skin, eyes and mucous membranes. Avoid skin and eye contact and inhalation of product dust/aerosols.

12. Ecological information

General Information

The product has not been tested ecotoxicologically. On the basis of the products consistency as well as its low water solubility a bioavailability is unlikely. Studies on products with similar composition confirm this assumption. Do not allow to enter in soil, waterways or waste water.

13. Disposal considerations

Product

Waste is non-hazardous. It should be disposed of in accordance with the regulations after consultation of the competent local authorities and the disposal company in a suitable and licensed facility.

Uncleaned packaging

Contaminated packaging should be emptied optimally and after appropriate professional cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of professionally. Uncleaned packaging may be taken for recycling.

Code of waste EWC

18 01 07

Wastes from natal care, diagnosis, treatment of prevention of disease in humans – chemical other than those mentioned in 18 01 06

Always check the given waste codes according to the actual conditions of manufacturing, formulation or use in your facilities.

14. Transport information

Transport / additional information

Not a dangerous good within the meaning of transportation regulations.

15. Regulatory information

Labelling in accordance with directive 1999/45/EC:

Not applicable

Special provisions for certain preparations according to directive 1999/45/EC annex V part B

„Contains methyl methacrylate, dibenzoyl peroxide. May produce an allergic reaction.“

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16. Other information

Miscellaneous information

none

References

Relevant manuals and publications
Toxicological and ecotoxicological studies of other manufactures
SIAR
OECD-SIDS
RTK public files

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