

SAFETY DATA SHEET (91/155/EWG)**DeguDent**

A Dentsply International Company

Universal Clear powder

material No.		Version	1.1 / GB
specification	148835	Revision date	16.06.2004
VA-Nr		Print Date	17.06.04
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name	:	Universal Clear powder
Company	:	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	:	+49 (0)6181/59-5767
Telefax	:	+49 (0)6181/59-5879
Emergency telephone number	:	+49 (0)180 / 23 24-555
Use of the Substance / Preparation	:	For dental use only.

2. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components**

- **Poly(methyl methacrylate)** 95% - 100%
CAS-No. 9011-14-7

See chapter 16 for text of risk phrases

3. HAZARDS IDENTIFICATION

Mechanical irritation of skin and mucous linings of eyes and respiratory tract may occur.
Danger of dust explosion.

4. FIRST AID MEASURES**General advice**

Remove contaminated or saturated clothing.

Inhalation

In case product dust is released:
Take affected persons out into the fresh air.
In case of persistent discomfort
Obtain medical attention.

Skin contact

Wash off with soap and plenty of water.

Eye contact

Possible discomfort is due to foreign substance effect.
Rinse thoroughly with plenty of water keeping eyelid open.
In case of persistent discomfort
Consult an ophthalmologist.

Ingestion

Rinse mouth.

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after absorbing larger amounts of substance:
Consult a physician.

Notes to physician

after absorbing larger amounts of substance:
acceleration of the gastro-intestinal tract

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

mist, foam, quenching powder, carbon dioxide (CO₂)

Extinguishing media which must not be used for safety reasons

high volume water jet

Specific hazards during fire fighting

May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

No particular measures required.

Environmental precautions

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

Methods for cleaning up

Pick up mechanically and collect in a suitable container. Avoid formation of dust.

Sweep up to prevent slipping hazard.

Clean up promptly by scoop or vacuum.

7. HANDLING AND STORAGE**Handling****Safe handling advice**

Avoid dust formation.

Advice on protection against fire and explosion

Danger of dust explosion.

Caution - electrostatic charge may occur.

Take precautionary measures against static discharges.

Keep away from sources of ignition - No smoking.

Storage**Requirements for storage areas and containers**

Keep in a dry place.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**• **exposure limit for dust**

CAS-No.

Control parameters 4 mg/m³ (EH40 (UK))

type of exposition Respirable dust.

Control parameters 3 mg/m³ Time Weighted Average (TWA):(ACGIH)

type of exposition Respirable particles.

Engineering measures

In case product dust is released:

Local ventilation.

Personal protective equipment**Respiratory protection**

If dust occurs: Nose and mouth mask with P2 particle filter

If the limits at the workplace are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

If workplace exposure limit is exceeded apply Dust mask with P2 particle filter.

Hand protection

Wear protective gloves made of the following materials: nitrile rubber (NBR), natural latex (NR), PVC.

Suitability for specific workplaces should be clarified with protective glove manufacturers.

Eye protection

safety glasses with side-shields

If dust occurs: basket-shaped glasses

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work.

If the limits at the workplace are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	powder
Colour	according to the coloration
Odour	odourless

Safety data

pH	not applicable
Melting point/range	> 210 °C
Boiling point/range	not applicable
Flash point	not applicable

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flammability	not determined
Autoinflammability	does not ignite
Lower explosion limit	not known
Upper explosion limit	not known
Vapour pressure	not determined
Bulk density	not known
Water solubility	insoluble
Partition coefficient (n-octanol/water)	not applicable
Viscosity, dynamic	not known

10. STABILITY AND REACTIVITY

Conditions to avoid	none known
Materials to avoid	none known
Hazardous decomposition products	decomposition products if heated above 250°C irritative gases/vapours, Carbon monoxide, carbon dioxide (CO ₂), organic products of decomposition
Thermal decomposition	250 °C
Hazardous reactions	No dangerous reaction known under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

No results of animal experiments with the product available.

Human experience	Mechanical irritation of skin and mucous linings of eyes and respiratory tract may occur.
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12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)****Behaviour in environmental compartments****Ecotoxicity effects**

Ecotoxicological tests with this preparation are not available.

Further information on ecology

Further Information	The product is a solid, insoluble in water, chemically inert and virtually not
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biologically degradable.

No negative effects known.

13. DISPOSAL CONSIDERATIONS**Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

14. TRANSPORT INFORMATION**Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**Labelling according to EC Directives**

Other data According to the Dangerous Preparations Directive (1999/45/EG):
no labelling

National legislation

16. OTHER INFORMATION**Risk phrase (R phrase) texts****Further information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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