

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

A Dentsply International Company

radica Model Separator

Material no.		Version	1.0 / GB
Specification	159873	Release Date	24.05.2007
VA-Nr		Print Date	24.05.2007
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name	:	radica Model Separator
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**Chemical nature**

polymer preparation
The preparation contains:
silica, highly dispersive, amorphous

Information on ingredients / Hazardous components

- **Poly(oxyalkylene)polymer** <= 85%
CAS-No. Xi; R36/37
- **Silicon dioxide, chemically prepared** <= 30%
CAS-No. 7631-86-9 EC-No. 231-545-4

See chapter 16 for text of risk phrases

3. HAZARDS IDENTIFICATION

Irritant

Skin	May cause skin irritation.
Eyes	May irritate eyes

4. FIRST AID MEASURES**Inhalation**

Take affected persons out into the fresh air.
If symptoms persist, call a physician.

Skin contact

Wash off with soap and water.
If symptoms persist, call a physician.

Eye contact

Rinse immediately with plenty of water for 15 minutes and seek advice of an eye specialist.

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Ingestion

Call a physician immediately.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**carbon dioxide (CO₂), dry chemical, foam**Extinguishing media which must not be used for safety reasons**

high volume water jet

Special protective equipment for fire-fightersWear self contained breathing apparatus for fire fighting if necessary.
full protective suit, if necessary**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**Wear personal protective equipment.
Avoid contact with skin, eyes and clothing.**Methods for cleaning up**Pick up mechanically with inert absorbent and collect in a suitable container.
Disposal according to local authority regulations.**7. HANDLING AND STORAGE****Storage****Requirements for storage areas and containers**Store in original container.
Keep container tightly sealed and store in a dry, well-ventilated place.**Storage stability**Recommended storage temperature:
15 - 27 °C**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Components with workplace control parameters****• Silicon dioxide, chemically prepared**

CAS-No.	7631-86-9	EC-No.	231-545-4
Control parameters	6 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Inhalable dust.		
Control parameters	2.4 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
type of exposition	Respirable dust.		

Engineering measures

Ensure that there is suitable air extraction / ventilation in the workplace or at the working machines. If necessary extractor suction on specific objects.

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Personal protective equipment**Hand protection**

Wear protective gloves made of the following materials: solvent-resistant material.

Glove material	butyl-rubber
Material thickness	0.5 mm
Break through time	60 min

The suitability for a specific workplace should be discussed with the producers of the protective gloves. The exact break through time can be obtained from the protective glove producer and this has to be observed.

preventive skin protection
Use barrier cream regularly.

Eye protection

Safety glasses with side-shields

Skin and body protection

Immediately change moistened and saturated work clothes.
Use suitable skin protective agents before handling product. Cleanse and apply cream to skin after work. Preventive skin protection recommended.

Hygiene measures

No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work.
Avoid contact with skin and eyes.
If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.
In case of skin contact
Wash off immediately with soap and plenty of water.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	gel
Colour	transparent
Odour	almost odourless distinct

Safety data

pH	not determined
Boiling point/range	not determined
Flash point	> 175 °C
Density	1.03 g/cm ³ (20 °C)
Water solubility	soluble

10. STABILITY AND REACTIVITY

Conditions to avoid	Keep away from heat.
Materials to avoid	Product polymerises on contact with:, heavy metal ions, acids, bases, strong oxidant.

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Hazardous decomposition products formation of, hydrocarbons, carbon monoxide, carbon dioxide

Thermal decomposition Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 Rat: > 10000 mg/kg
Acute dermal toxicity	LD50 Rabbit: > 5000 mg/kg
Skin irritation	Frequent and continual skin contact can cause skin reaction (skin irritation). May cause skin irritation.
Eye irritation	May cause eye irritation.

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)****Behaviour in environmental compartments****Ecotoxicity effects**

Ecotoxicological tests with this preparation are not available.

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**

Symbol(s)	Xi	Irritant
R-phrase(s)	R36/37	Irritating to eyes and respiratory system.
S-phrase(s)	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty of soap and water.

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National legislation**16. OTHER INFORMATION****Risk phrase (R phrase) texts**

- **Poly(oxyalkylene)polymer**

R36/37

Irritating to eyes and respiratory system.

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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