

SAFETY DATA SHEET (EC 1907/2006)**Dentsply Prosthetics Die Release****DeguDent**
A Dentsply Company

Material no.		Version	1.0 / GB
Specification	172744	Revision date	07.11.2011
VA-Nr		Print Date	18.01.2012
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name	Dentsply Prosthetics Die Release
Company	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	+49 (0)6181/59-5767
Telefax	+49 (0)6181/59-5879
Email address	SDB@degudent.de
Emergency telephone number	+49 (0)180 / 23 24-555

Use of the Substance / Preparation For dental use only.

REACH Registration No.: if available listed in Chapter. 3

2. HAZARDS IDENTIFICATION**Classification as per Directive 67/548/EC or Directive 1999/45/EC**

F, Highly flammable
Xn, Harmful
R65: Harmful: may cause lung damage if swallowed.

Other Hazards

Inhalation	May cause irritations of the respiratory tract.
Skin	Mild skin irritant
Eyes	Mild eye irritant

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

The preparation contains:
Silicone copolymer

Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC

• Naphtha (petroleum), light alkylate;		82% - 93%	
CAS-No.	64741-66-8	EC-No.	265-068-8
	Carc.Cat.2; R45		
	Mut.Cat.2; R46		
	Xn; R65		
• Stoddard solvent		1% - 4%	
CAS-No.	8052-41-3	EC-No.	232-489-3
	Carc.Cat.2; R45		
	Mut.Cat.2; R46		
	Xn; R65		
• Silicic acid, sodium salt, reaction products		1% - 4%	
CAS-No.	68988-56-7	EC-No.	273-530-5

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See chapter 16 for text of risk phrases

4. FIRST AID MEASURES

Inhalation

After inhalation move subject to fresh air.

If breathing difficulties occur:

Give oxygen.

If breathing is irregular or stopped, administer artificial respiration.

Consult a physician immediately.

Skin contact

Remove and wash contaminated clothing before re-use.

Wash off immediately with soap and plenty of water.

Consult a physician immediately if skin is irritated or reddened

Eye contact

Rinse thoroughly immediately with plenty of water for at least 5 minutes keeping eyelid open.

In case of persistent discomfort: Consult doctor immediately.

Ingestion

Notify the emergency physician immediately.

Do not induce vomiting.

Never give by mouth to anyone, who faints quickly, becomes unconscious or has cramps.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, foam, CO₂, dry powder.

Special hazards arising from the substance or mixture

Absorb decomposition gases with jet of water.

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

Formation of flammable or explosive vapour/air mixtures possible.

Combustible air-vapour mixtures are heavier than the air and spread along the floor. Ignition from a considerable distance is possible.

Closed container may rupture if strongly heated.

Special protective equipment for fire-fighters

In case of fire: full protective suit and wear a self contained respiratory apparatus

Avoid the draining of the extinguishing water into the surface water or the ground water.

Advice for firefighters

In case of fire cool containers or take them to a safe place. To cool, spray closed containers with water spray jet. Water used to extinguish fire should not enter drainage systems, soil, or stretches of water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

Bring persons in safety. Keep persons at a distance and stay on the weather side. As a rule, work only with respiratory protective equipment.

Environmental precautions

Prevent substance from entering soil, natural bodies of water and sewer systems.

Do not allow to sink into ground water, sewers or into surface water.

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

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Methods and material for containment and cleaning up

Evacuate all persons from the area and keep combustion sources at a distance until all of the spilt liquid has evaporated (ground frost-free).
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Dispose of absorbed material in accordance with the regulations.

Additional advice

Evacuate personnel to safe areas.
Keep unauthorized persons away.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling

Avoid contact with skin, eyes and clothing.
Do not breathe vapours.
Wear personal protective equipment; see section 8.
Provide appropriate exhaust ventilation at machinery.
Upon skin contact, wash with plenty of water and soap.
Keep container tightly closed.
Always close container tightly after removal of product. Ensure suitable suction/aeration at the work place and with operational machinery.
Keep product and empty container away from heat and sources of ignition.

Advice on protection against fire and explosion

Local ventilation. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharges.
Protect from sunlight, warmth and heat.
No sparking tools should be used.
Store full and empty containers away from sources of ignition.

Storage

Further information

Keep containers tightly closed in a dry, cool and well-ventilated place.
Avoid light effect, sun rays, heat effect.
Keep away from oxidizing agents.
Avoid sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Engineering measures

Ensure suitable suction/aeration at the work place and with operational machinery.
The work-place related airborne concentrations have to be kept below of the indicated exposure limits.

Personal protective equipment

Respiratory protection

Under normal conditions: Not required except with formation of aerosol mist.

Hand protection

Glove material Wear protective gloves made of the following materials:., neoprene, nitrile rubber

Eye protection

wear basket-shaped glasses or safety goggles with side-shields.

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long sleeved clothing

Hygiene measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid
Colour	colourless
Odour	slight, ether-like

Information on basic physical and chemical properties

pH	n.a.
Boiling point/range	96 - 107 °C
Flash point	> -7 °C
Autoinflammability	400 °C
Lower explosion limit	1.5 %(V)
Upper explosion limit	11.6 %(V)
Vapour pressure	ca. 84 hPa (20 °C)
Density	0.72 g/cm ³
Water solubility	insoluble

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Conditions to avoid	Sun light, warmth, effect of heat, possibility of sparking. Keep away from sources of ignition - No smoking.
Incompatible materials	Avoid contact with strong oxidising agents, strong acids and strong bases, Do not store together with, amines, Do not allow to dry.
Hazardous decomposition products	carbon monoxide, carbon dioxide, silicon dioxide, formaldehyde, organic products of decomposition.
Further information	Product will not undergo hazardous polymerization.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 Rat: > 5000 mg/kg related to substance: Stoddard Solvent
Acute inhalation toxicity	LC50 Rat: > 5.5 mg/l / 4 h related to substance: Stoddard Solvent

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Acute dermal toxicity	LD50 Rabbit: > 3000 mg/kg related to substance: Stoddard Solvent
Skin irritation	slightly irritating Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.
Eye irritation	slightly irritating redness lachrymation
Risk of aspiration toxicity	Harmful: may cause lung damage if swallowed.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects***no data available***13. DISPOSAL CONSIDERATIONS****Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

14. TRANSPORT INFORMATION**Land transport ADR/RID/GGVSEB (Germany)**

Class	3
ADR/RID-Labels	3
UN-No	1268
Packaging group	II
orange warning plate	33 / 1268
Tunnel Restriction Code (ADR)	(D/E)
Description of the goods (Technical name)	PETROLEUM DISTILLATES, N.O.S.

Sea transport IMDG-Code/GGVSee (Germany)

Class	3
UN-No	1268
Packaging group	II
EmS	F-E, S-E
Proper technical name (Proper shipping name)	PETROLEUM DISTILLATES, N.O.S.

Air transport ICAO-TI/IATA-DGR

Class	3
UN-No	1268
Packaging group	II

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Proper technical name (Proper shipping name)
Petroleum distillates, n.o.s.

Inland waterway transport ADN/GGVSEB (Germany)

Class	3
ADR/RID-Labels	3
UN-No / Substance number	1268
Packaging group	II
Description of the goods (Technical name)	PETROLEUM DISTILLATES, N.O.S.

Loading instructions/Remarks

IATA_C	ERG-Code 3H
IATA_P	ERG-Code 3H
ADR	Observe listed materials regulation §35, paragraph 1 GGVSEB Special Provision 640D
ADN	Special Provision 640D
RID	Special Provision 640D

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

Symbol(s)	F Xn	Highly flammable Harmful
R-phrase(s)	R65	Harmful: may cause lung damage if swallowed.
S-phrase(s)	S23 S24 S62 S45 S16	Do not breathe spray, vapour. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Keep away from sources of ignition - No smoking.

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

- **Naphtha (petroleum), light alkylate;**
R45 May cause cancer.
R46 May cause heritable genetic damage.
R65 Harmful: may cause lung damage if swallowed.
- **Stoddard solvent**
R45 May cause cancer.
R46 May cause heritable genetic damage.
R65 Harmful: may cause lung damage if swallowed.

Further information

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

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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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ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration Factor
BetrSichV	German Ordinance on Industrial Safety and Health
c. c.	closed cup (geschlossenes Gefäß)
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	Carcinogenic-Mutagenic-toxic for Reproduction
DIN	German Institute for Standardization
DNEL	Derived No Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice.
GMO	Genetic Modified Organism
IATA DGR	International Air Transport Association – Dangerous Goods Regulations
ICAO-TI	International Civil Aviation Organisation - Technical Instructions
IMDG Code	International Maritime Dangerous Goods Code
ISO	International Organization For Standardization
LOAEL	Lowest Observed Adverse Effect Level
LOEL	Lowest Observed Effect Level
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
o. c.	open cup (offenes Gefäß)
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Effect Concentration
PNEC	Predicted No Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
TA	Technical Instructions (German Ordinance)
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances (German Regulations)
VCI	German "Verband der Chemischen Industrie e. V."
vPvB	Very Persistent, Very Bioaccumulative
VOC	Volatile Organic Compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	German Water Hazard Class
WHO	World Health Organization