

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

A Dentsply International Company

Solaris Thinner

Material no.		Version	1.2 / GB
Specification	147307	Revision date	08.11.2004
VA-Nr		Print Date	12.07.2005
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name	:	Solaris Thinner
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**

• benzyl alcohol		50% - 100%	
CAS-No.	100-51-6	EC-No.	202-859-9
	Xn; R20/22		

See chapter 16 for text of risk phrases

3. HAZARDS IDENTIFICATION

Harmful by inhalation and if swallowed.

4. FIRST AID MEASURES**General advice**

Remove from exposure, lie down.
Remove contaminated or saturated clothing immediately and dispose off safely.

Inhalation

Take affected persons out into the fresh air.
In case of persistent discomfort: Consult doctor immediately.

Skin contact

Remove contaminated or saturated clothing immediately and dispose off safely.
Rinse with plenty of water and polyethylene glycol 200-400 if possible, seek medical advice if necessary.

Eye contact

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

Ingestion

Have the mouth rinsed with water.
Immediately give plenty of water (if possible charcoal slurry).

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Do not give milk or alcoholic beverages.
Induce vomiting if person is conscious.
Obtain medical attention.

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

Water spray, foam, CO₂, dry powder, Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

high volume water jet

Specific hazards during fire fighting

Combustible
Heavier than air vapour.
Forms explosive mixtures with air.
Dangerous decomposition products possible.

Special protective equipment for fire-fighters

wear a self contained respiratory apparatus

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Wear personal protective equipment.
Ensure sufficient ventilation.
Keep unauthorised persons away.

Environmental precautions

Prevent substance from entering sewers, cellars, trenches, pits or other places in which a collection of gas could be dangerous
Do not allow entrance in soil, stretches of water, groundwater, drainage systems, surface water.

Methods for cleaning up

Ensure sufficient ventilation.
Take up mechanically or with a non-combustible absorbent material.
Transfer into suitable containers.
Dispose of contaminated material as a waste in a correct manner.

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

Provide sufficient ventilation and exhaust at the workplace.
Vapours are heavier than air and may spread along floors.
Do not breathe vapours.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
Vapours can form explosive mixtures with air.

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Storage**Requirements for storage areas and containers**

Keep containers tightly closed in a dry, cool and well-ventilated place.

German storage class

10 - Combustible liquids neither in Storage Class 3A nor 3B

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters****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.

Personal protective equipment**Respiratory protection**

If gas/fumes occur for short periods: Respirator with brown A-type filter
in the event of prolonged exposure during handling:
self-contained breathing apparatus

Hand protection

Chemical-resistant protective gloves (EN 374)
The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

tightly fitting safety goggles

Skin and body protection

suitable protective clothing
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.
Keep away from food, drink and animal feedingstuffs.
Take off all contaminated clothing immediately.
Wash contaminated clothing before re-use.
Keep working clothes separately.
Do not inhale vapours / aerosols.
Avoid contact with skin, eyes, and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid
Colour	colourless
Odour	solvent

Safety data

Melting point/range	-15 °C
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Boiling point/range	204 °C
Flash point	100 °C
Autoinflammability	436 °C
Explosiveness	Vapours can form explosive mixtures with air.
Density	1.045 g/cm ³
Water solubility	soluble
Solubility in other solvents	Medium: methanol soluble

10. STABILITY AND REACTIVITY

Materials to avoid	Avoid contact with oxidizing substances.
Hazardous decomposition products	In case of fire hazardous decomposition products may be produced such as:, carbon monoxide, carbon dioxide
Hazardous reactions	No dangerous reaction known under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

Skin irritation	Longer lasting skin contact may lead to degreasing of the skin and, in consequence, to irritations/dermatitis.
Eye irritation	possibly irritating
Sensitization	not known

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.

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

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**Labelling according to EC Directives****hazard-defining component(s)**

- benzyl alcohol

Symbol(s)	Xn	Harmful
R-phrase(s)	R20/22	Harmful by inhalation and if swallowed.
S-phrase(s)	S23 S26 S36/37/39	Do not breathe gas/fumes/vapour/spray. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection.

National legislation

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

- benzyl alcohol
R20/22 Harmful by inhalation and if swallowed.

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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