

**Solaris Goldbad**

Material no.		Version	<b>1.4 / GB</b>
Specification	<b>147308</b>	Revision date	<b>28.06.2007</b>
VA-Nr		Print Date	<b>19.06.2009</b>
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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name	:	Solaris Goldbad
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.

**2. HAZARDS IDENTIFICATION****Additional safety information for humans and the environment**

Contact with acids liberates toxic gas.  
Irritating to eyes and respiratory system.

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

Aqueous solution  
Contains small amounts of  
Mixture of: organic/inorganic salts

**Information on ingredients / Hazardous components**

• <b>Ammonium sulphite</b>		2.5% - < 10.0%	
CAS-No.	10196-04-0	EC-No.	233-484-9
	Xi		
	R31, R36/37		
• <b>Gold sulfurous acid, diammonium salt</b>		2.5% - < 10.0%	
CAS-No.	71662-32-3	EC-No.	275-798-9
	Xi		
	R31, R36/37		

See chapter 16 for text of risk phrases

**4. FIRST AID MEASURES****General advice**

Remove contaminated or saturated clothing.

**Inhalation**

Take affected persons out into the fresh air.

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Provide fresh air, seek medical advice if necessary.  
In case of discomfort: Supply with medical care.

**Skin contact**

After contact with skin, wash immediately with plenty of water.

**Eye contact**

With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes.  
Consult an ophthalmologist.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water.  
Induce vomiting immediately and call a physician.

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

Water spray, foam, CO<sub>2</sub>, 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**

Not combustible.  
Do not inhale decomposition gases or noxious gases.

**Special protective equipment for fire-fighters**

wear a self contained respiratory apparatus

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Wear personal protective equipment.  
Ensure sufficient ventilation.  
Do not inhale vapours / aerosols.  
Keep unauthorised persons away.

**Environmental precautions**

Prevent penetration into soil, stretches of water and drainage systems.

**Methods for cleaning up**

Ensure sufficient ventilation.  
Pick up mechanically with a suitable material and collect in a suitable container.  
Dispose of contaminated material as a waste in a correct manner.

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

Avoid contact with skin, eyes and clothing.  
Do not inhale vapours / aerosols.  
Provide sufficient ventilation and exhaust at the workplace.

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**Storage****Requirements for storage areas and containers**

Keep container tightly closed and in a well-ventilated place.

**German storage class**

12 - Non Combustible Liquids

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

None known

**Personal protective equipment****Respiratory protection**

required

if the limit values like TLV are exceeded, when vapours or aerosols occur

**Hand protection**

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Glove material

Wear protective gloves made of the following materials: natural latex (NR), nitrile rubber (NBR), polychloroprene (CR), Fluorinated rubber (FKM), butyl-rubber, Polyvinyl chloride (PVC)

**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	yellow
Odour	slightly like ammonia

**Safety data**

pH	ca. 8.4
Melting point/range	not applicable

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Boiling point/range	not determined	
Flash point	not determined	
Flammability	Not combustible.	
Explosiveness	not explosive	
Density	ca. 1.08 g/cm <sup>3</sup>	(20 °C)
Water solubility	soluble	

**10. STABILITY AND REACTIVITY**

Materials to avoid	acids
Hazardous decomposition products	No hazardous decomposition products known.
Hazardous reactions	Hazardous decomposition products formed under fire conditions. Products of decomposition determining danger: sulphur dioxide. ammonia

**11. TOXICOLOGICAL INFORMATION**

*No results of animal experiments with this preparation are available.*

Skin irritation	no irritating effects
Eye irritation	no irritating effects
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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**Waste Key Number**

11 01 99 wastes not otherwise specified (EU)

duty of proof: no;

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

Not classified as dangerous in the meaning of transport regulations.

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

- Ammonium sulphite
- Gold sulfurous acid, diammonium salt

<b>R-phrases(s)</b>	R31	Contact with acids liberates toxic gas.
<b>S-phrases(s)</b>	S 7/9	Keep container tightly closed and in a well-ventilated place.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S50	Do not mix with acids.

**National legislation**

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**16. OTHER INFORMATION****Risk phrase (R phrase) texts****• Ammonium sulphite**

R31 Contact with acids liberates toxic gas.  
R36/37 Irritating to eyes and respiratory system.

**• Gold sulfurous acid, diammonium salt**

R31 Contact with acids liberates toxic gas.  
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.

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