

**Safety data-sheet (91/155 EEC)**

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**1. Identification of the substance/preparation**

**Name of product** Descoton % 2 GDA

**Manufacturer/distributor** Dr. Schumacher GmbH  
Post box 11 62, D-34201 Melsungen  
Phone ++49 5664/9496-0, Fax ++49 5664/9496-8444

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**2. Composition/information on ingredients**

**Chemical characterization**  
**Disinfectant for instruments**

**Hazardous ingredients**

<b>CAS-No.</b>	<b>Name</b>	<b>[%]</b>	<b>Classification</b>
107-21-1	ethan-1,2-diol	< 10	Xn R22
111-30-8	glutaral	< 5	T,C,N R23/25-34-42/43-50
68439-46-3	alcohol ethoxylate	< 5	Xn,Xi R22-41
68002-97-1	lauryl alcoholethoxylate	< 5	Xn,Xi R22-36/38

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**3. Special hazards information for man and environment**

**Symbols:** Harmful

**R-phrases**

Harmful by inhalation and if swallowed  
Irritating to eyes and respiratory system  
Risk of serious damage to eyes  
May cause sensitisation by inhalation and skin contact

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**4. First aid measures****General information**

Take off immediately all contaminated clothing.  
If you feel unwell, seek medical advice.

**In case of inhalation**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
In the event of symptoms refer for medical treatment.

**In case of skin contact**

Wash off immediately with soap and plenty of water.  
Consult a doctor if skin irritation persists.

**In case of eye contact**

Rinse immediately with plenty of water, also under the eyelids, min 15 minutes.  
Medical treatment by eye specialist.

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**In case of ingestion**

Do not provoke vomiting. Consult physician. Attention in case of vomiting - acute danger of suffocating, produced by foaming ingredients. Rinse mouth. Make drink some glasses of water. The decision whether to provoke vomiting is to be taken by a physician

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**5. Fire-fighting measures****Suitable extinguishing material**

Product does not burn, fire-extinguishing activities according to surrounding.

**Extinguishing material that may not be used for safety reasons**

Full water jet

**Special exposure hazards arising from the substance, combustible products or resulting gases**

Fire may produce:

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)

**Special protective equipment for firefighters**

Use breathing apparatus with independent air supply.

**Additional information**

Cool containers at risk with water spray jet.

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**6. Accidental release measures****Personal precautions**

Ensure adequate ventilation.

In case of vapour formation use respirator.

Avoid contact with skin, eyes and clothing

Use personal protective clothing.

**Environmental precautions**

Do not discharge into the drains or bodies of water.

**Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

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**7. Handling and storage****Advice on safe handling**

Keep container tightly closed.

Keep a good ventilation and air-exhaust at the place of work.

Avoid contact with skin, eyes and clothing.

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**Advice on protection against fire and explosion**

No special protective measures against fire required.

**Requirements for storage rooms and vessels**

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

**Advice on storage compatibility**

Incompatible with oxidizing agents, acids and bases.

**Further information on storage conditions**Keep away from food, drink and animal feeding stuffs.

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**8. Exposure controls / personal protection**

## ADDITIONAL ADVICE ON SYSTEM DESIGN:

Ensure adequate ventilation, especially in confined areas.

CAS-No.	NAME	CODE	[mg/m <sup>3</sup> ]	[ml/m <sup>3</sup> ]	category
107-21-1	ethandiol	MAK	26	10	=1=
111-30-8	glutaral	MAK	0,42	0,1	=1=

**Additional advice on system design**

Ensure adequate ventilation, especially in confined areas.

**Respiratory protection**

Do not inhale vapours

**Hand protection**

Rubber or plastic gloves.

**Eye protection**Eye wash bottle with pure water  
tightly fitting goggles**Skin protection**

Long sleeved clothing.

**General protective measures**

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

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**9. Physical and chemical properties****Form**

liquid

**Colour**

colourless

**Odour**

characteristic

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**Data relevant for safety**

	Value	Temperature at	Method	Remark
<b>pH value in delivery state</b>	3,5 - 4			concentrate
<b>boiling point</b>	approx.	100 °C		
<b>melting point</b>				n.a.
<b>Flash point</b>				n. a.
<b>Combustion temperature</b>				n. a.
<b>Lower explosion limit</b>				n. a.
<b>Density</b>	approx1,023 g/ml	20 °C		
<b>Solubility in water</b>		20 °C		miscible

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**10. Stability and reactivity****Conditions to avoid**

To avoid thermal decomposition, do not overheat.

**Materials to avoid**

strong oxidizing agents, acids and bases

**Hazardous decomposition products**

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)

**Additional information**

No decomposition if stored and applied as directed.

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**11. Toxicological information****Experiences made from practice**

Irritates respiratory system and skin.

Harmful by inhalation and if swallowed

May cause sensitisation by inhalation and skin contact

Risk of serious damage to eyes

**Other observations:**

Attention, danger of foaming aspiration

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**12. Ecological information****General regulation**

Do not flush into surface water or sanitary sewer system.

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Water contaminating.

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**13. Disposal considerations**

<b>Waste code No.</b>	<b>Name of waste</b>
07 06 99	wastes not otherwise specified

**Recommendations for the product**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

**Recommendations for packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

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**14. Transport information**

**Transport/further information**

No hazardous material as defined by the transport regulations

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**15. Regulatory information**

**Remarks for classification**

According to EC-regulations the product is to be labelled as follows:

**Classification**

Danger symbol and danger designation

**Xn** Harmful

Glutaral

**R-phrases**

41	Risk of serious damage to eyes
20/22	Harmful by inhalation and if swallowed
37/38	Irritating to eyes and respiratory system
42/43	May cause sensitisation by inhalation and skin contact

**S-phrases**

23	Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
35	This material and its container must be disposed of in a safe way.
45	In case of accident or if you feel unwell, seek medical advice immediately (show the label if possible)
36/37/39	Wear suitable protective clothing, gloves and eye/face protection

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**16. Other information**

**Further information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

**Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)**

R 22	Harmful in contact with skin and if swallowed.
R 34	Causes burns.
R 41	Risk of serious damage to eyes
R 50	Very toxic to aquatic organisms.
R 20/22	Harmful by inhalation and if swallowed
R 23/25	Toxic by inhalation and if swallowed
R 36/38	Irritating to eyes and skin
R 37/38	Irritating to respiratory system and skin
R 42/43	May cause sensitisation by inhalation and skin contact