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

<b>Name of product</b>	<b>DESCODERM</b>
<b>Use of the preparation</b>	disinfectant for hands and skin
<b>Manufacturer / distributor</b>	Dr. Schumacher GmbH Post box 11 62; D-34201 Melsungen, Germany Phone ++49 5664 9496-0; Fax: ++49 5664 8444
<b>Information contact</b>	GBK Gefahrgutbüro GmbH <a href="mailto:sds@gbk-ingelheim.de">sds@gbk-ingelheim.de</a>
<b>Emergency telephone</b>	++49 (0) 6132 84463

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**2. Hazards identification**

**Classification**

**Hazards statements**

**Xi** irritant

**Hazard characteristics**

**R-Phrases**

10 Flammable.  
36 Irritating to eyes.  
67 Vapours may cause drowsiness and dizziness.

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**3. Composition / information on ingredients**

**Chemical characterization**

aqueous alcoholic solution

**Hazardous ingredients**

<b>CAS-No.</b>	<b>EC-No.</b>	<b>Name</b>	<b>[weight-%]</b>	<b>Classification</b>
67-63-0	200-661-7	2-propanol	< 65	F, R11; Xi, R36; R67

Full text of R-phrases: see section 16.

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**4. First Aid Measures**

(for additional information see chapter 16: Other information)

**General Advice**

Remove contaminated, saturated clothing immediately.  
If you feel unwell, seek medical advice.

**In case of inhalation**

Move affected person into fresh air in case of accidental inhalation of vapour.  
If symptoms persist, call a physician.

**In case of skin contact**

No special measures required.

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**In case of eye contact**

In case of contact with eyes flush immediately with plenty of flowing water for 15 minutes holding eyelids apart. Consult an ophthalmologist if symptoms persist.

**In case of ingestion**

Do not induce vomiting.  
Drink plenty of water.  
Seek medical advice immediately.

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**5. Fire-fighting measures**

(for additional information see chapter 16: Other information)

**Suitable extinguishing media**

Alcohol resistant foam, carbon dioxide (CO<sub>2</sub>), dry extinguishing media, water jet

**Extinguishing media which must not be used for safety reasons**

High volume water jet

**Special exposure hazards arising from the substance or preparation itself, combustion products or resulting gases**

In case of fire may be liberated:  
Carbon monoxide and dioxide.

**Special protective equipment for fire-fighters**

In case of fire, wear a self contained breathing apparatus and protective clothing.

**Further information**

Keep away from sources of ignition – no smoking.  
Vapours are heavier than air and can form explosive mixtures with air, also in empty containers, that have not been cleaned.  
Cool containers at risk with water spray jet.  
Combustion residues and contaminated fire water have to be disposed of according to local official regulations.

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**6. Accidental release measures**

(for additional information see chapter 16: Other information)

**Personal precautions**

Ensure adequate ventilation.  
In case of vapour formation (high concentration) use respirator.  
Keep away from sources of ignition.  
Wear personal protective clothing.

**Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
Take up mechanically, placing in appropriate containers for disposal.

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**7. Handling and storage**

(for additional information see chapter 16: Other information)

**Handling**

**Advice on safe handling**

Keep container tightly closed.

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Use only in well-ventilated areas.

**Precautions against fire and explosion:**

No smoking (volatile).

Keep product and empty containers away from heat and sources of ignition.

**Storage**

**Requirements for storage rooms and vessels**

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

**Hints on storage assembly**

Incompatible with oxidising agents.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**Storage class acc. to VCI** 3 A

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**8. Exposure controls / personal protection**  
(for additional information see chapter 16: Other information)

**Exposure limits**

**Occupational exposure limits (TRGS 900)**

SUBSTANCE IDENTITY			OCCUPATIONAL EXPOSURE LIMIT VALUE (AGW)		
Name	EC-No.	CAS-No.	ml / m <sup>3</sup> (ppm)	mg / m <sup>3</sup>	Category
Propan-2-ol	200-661-7	67-63-0	200	500	2 (II)

**Exposure controls**

**Engineering measures to reduce exposure**

Ensure adequate ventilation, especially in confined areas.

**Personal protection equipment**

**General protection measures**

When using do not eat, drink or smoke.

Separate off contaminated clothing and wash it before reuse.

Do not breathe vapour/aerosols.

Avoid contact with eyes.

**Respiratory protection**

In case of inadequate ventilation and high concentrations, wear suitable respiratory equipment (gas filter type A).

**Eye protection**

Protective goggles.

**Skin and body protection**

Long sleeved clothing.

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**9. Physical and chemical properties**

**General information**

<b>Physical state</b>	liquid
<b>Colour</b>	colourless
<b>Odour</b>	alcoholic

**Important health, safety and environmental information**

<b>pH-value (20 °C)</b>	7 – 8.6
<b>Specific gravity (20 °C)</b>	0.876 g/cm <sup>3</sup>
<b>Change in physical state</b>	
Melting point	< - 20 °C
Boiling point	> 85 °C
Flash point	24 °C
<b>Flammability</b>	
Explosion limit lower	2 Vol.-%
Ignition temperature	> 485 °C
<b>Solubility in water</b>	miscible
<b>Viscosity</b>	ca. 9 mPa*s

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**10. Stability and reactivity**  
(for additional information see chapter 16: Other information)

**Conditions to avoid**

Vapour-air-mixture is explosive when strongly heated.  
When heated inflammable vapour may be released.

**Materials to avoid**

Oxidizing agents.

**Hazardous decomposition products:**

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

**Further information**

No decomposition if stored and applied as directed.

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**11. Toxicological Information**  
(for additional information see chapter 16: Other information)

**Human practical experience**

Irritating to eyes.  
Vapours may cause drowsiness and dizziness.

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**12. Ecological information**  
(for additional information see chapter 16: Other information)

**General information**

Do not flush into surface water or ground water systems.  
Weakly water-endangering.  
If used as directed not harmful to environment.

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### 13. Disposal information

#### Product

#### Recommendation

Recycling is preferred to disposal if possible.

Incineration is possible according to the local official regulations after physical-chemical pre-treatment.

#### Waste code No.

07 06 04

Wastes from organical-chemical processes; wastes from fats, lubricants, soaps, disinfectants, detergents and hygiene products; wastes not otherwise specified

#### Appropriate disposal / packaging

Empty containers should be taken to a registered recycling company.

Contaminated packaging is to be emptied optimally, after adequate cleaning it can be disposed to recycling.

Packaging which is impossible to clean is to be disposed like the product.

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### 14. Transport information

#### Land transport (ADR/RID)

ADR/RID class	3
Classification code	F1
Hazard No.	30
UN-No.	1987
Hazard label	3
ADR/RID packing group	III
Limited quantity (LQ)	LQ 7

#### Official transport designation

ALCOHOLS, N.O.S. (2-propanol)

#### Remark

LQ 7: combination packaging: 5 l / 30 kg; trays: 5 l / 20 kg (total gross weight). 10 l: water containing homogenous mixtures are categorized as LQ 7 (absolute quantity of alcohol < 5 l)

#### Inland waterway craft (ADN/ADNR)

#### Marine transport (IMDG)

IMDG class	3
UN-No.	1987
Marine pollutant	No
EMS-No.	F-E, S-D
Limited quantity (LQ)	5 l / 30 kg
IMDG packing group	III
Hazard label	3

#### Proper shipping name

ALCOHOLS, N.O.S. (2-propanol)

#### Remark

Limited quantity (chapter 3.4): combined packaging: 5 l / 30 kg (gross weight); trays: 5 l / 20 kg (total gross weight).

#### Air transport (ICAO-TI / IATA-DGR)

ICAO/IATA class	3
UN/ID-No.	1987

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Hazard label	3
IATA packing instructions – passenger	309
IATA maximum quantity – passenger	60 l
IATA packing instructions – cargo	310
IATA maximum quantity – cargo	220 l
ICAO packing group	III
Limited quantity (LQ) passenger	Y309 / 10 l

**Proper shipping name**

ALCOHOLS, N.O.S. (2-propanol)

**Special provisions**

Germany / postage: national: max. 3000 ml per item; max. 6000 ml per package; international: not allowed

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**15. Regulatory information**

**Labelling**

**Hazards statement**

**Xi** irritant

**Classification**

This product is a pharmaceutical product and according to EC-regulations and the corresponding German national regulations does not have to be labelled acc. to Hazardous Substances Ordinance.

According to Hazardous Substances Ordinance the product is to be labelled as:

**R-Phrases**

- 10 Flammable.
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and dizziness

**S-Phrases**

- 16 Keep away from sources of ignition - No smoking.
- 25 Avoid contact with eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 35 This product and its container must be disposed of in a safe way.

**National regulations**

**Restrictions of occupation**

Observe restrictions of occupation for juveniles (§§ 22 JArbSchG);  
Observe employment restrictions for pregnant and nursing mothers according to the 'mother protection guideline' (92/85/EEC) and §§ 4 and 5 MuSchRiV

**Störfallverordnung**

Not subject to StörfallVO.

**Technische Anleitung Luft III**

Weight fraction

5.2.5: Organic compounds, m  $\geq$  0.50 kg/h: Conc.. 50 mg/m<sup>3</sup>  
< 65 %

**Water hazard class (WGK)**

Classification

I - weakly water-endangering (WGK I)  
Classification according VwVwS, Annex 4

**Informations according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)**

VOC-content 63 %

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**16. Other information**

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

R 10	Flammable.
R 11	Highly flammable.
R 36	Irritating to eyes.
R 67	Vapours may cause drowsiness and dizziness.

**Additional 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 knowledge. It does not constitute a guarantee for the characteristics of the described product(s) as defined by the legal warranty regulations. The delivery specifications are contained in the corresponding product sheet.

(n.a. - not applicable, n.d. - not determined)