

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

00320DE0065

DESOMED RAPID AF  
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## 1. Identification of the substance/preparation

<b>Name of product</b>	<b>Desomed Rapid AF</b>
<b>Use of the preparation</b>	rapid disinfectant for spraying and wiping of surfaces and medical devices
<b>Company identification</b>	DESOMED Dr. Trippen GmbH Postfach 5325, D-79020 Freiburg Tel. ++49 (0) 180 5 704010 Telefax ++49 (0) 180 5 8747736
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## 2. Hazards identification

### Classification

### R-Phrases

10 Flammable.

## 3. Composition / information on ingredients

### Chemical characterization

Alcoholic solution.

### Hazardous ingredients

CAS-No.	EC-No.	Name	weight-%	Classification
64-17-5	200-578-6	ethanol	< 45	F R11

Full text of R-phrases: see section 16.

## 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.  
If symptoms persist, call a physician.

### In case of skin contact

Wash off with soap and plenty of water.

**In case of eye contact**

Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes.  
Consult a physician, if symptoms persist.

**In case of ingestion**

Do not induce vomiting. Rinse mouth with water.  
Seek medical advice and show the container or label.  
Attention! Danger of suffocation because of foaming ingredients.

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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 carbon dioxide.

**Special protective equipment for fire-fighters**

In case of fire: Wear self-contained breathing apparatus.  
Protective clothing.

**Further information**

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.  
Keep away from sources of ignition - do not smoke.  
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**

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

**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.  
Ensure adequate ventilation, especially in confined areas.  
Avoid contact with skin, eyes and clothing.

**Precautions against fire and explosion:**

Do not smoke.  
Do not spray on hot surfaces or fire.

**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 (VCI)** 3 A

**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>
Ethanol	200-578-6	64-17-5	500	960

**Exposure controls**

**Engineering measures to reduce exposure**

Ensure adequate ventilation, especially in confined areas.

**General protection measures**

Do not breathe vapours.  
Wash hands before breaks and immediately after handling the product.  
When using do not eat, drink or smoke.  
Avoid contact with eyes and skin.  
Remove contaminated clothing immediately and wash before reuse.

**Respiratory Protection**

No personal respiratory protection normally required.  
In case of inadequate ventilation wear suitable respiratory equipment (gas filter type A).

**Hand protection**

Protective gloves.  
Suitable protective gloves:

Material	Thickness of the glove material	Breakthrough time (maximal wear duration)
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CR (polychloroprene, chloroprene rubber)	0.5 mm	> = 4 h
NBR (nitrile rubber)	0.35 mm	> = 4 h
Butyl (butyl rubber)	0.5 mm	> = 8 h
FKM (fluoro rubber)	0.4 mm	> = 8 h
PVC (polyvinyl chloride)	0.5 mm	> = 4 h

This recommendation is solely based on the chemical compatibility and the test after EN 374 under laboratory conditions. According to the use varying requirements may develop. Therefore the recommendations of the protective glove distributor have to be considered additionally.

**Eye protection**

No personal eye protection normally required.  
Safety goggles with side protection.

**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, perfumed

**Important health, safety and environmental information**

<b>pH - Value</b> (20 °C)	6 – 8
<b>Change in physical state</b>	
Melting point	< -10 °C
Boiling point	app. 85 °C
Flash point	25 °C
<b>Flammability</b>	
Explosion limits lower	3.4 vol.-%
Ignition temperature	> 425 °C
<b>Specific gravity</b> (20 °C)	ca. 0.932 g/cm <sup>3</sup>
<b>Solubility in water</b>	miscible

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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**

Oxidising agents.

**Hazardous decomposition products**

Fire may produce:  
carbon monoxide and carbon dioxide.

**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**

Inhalation of high concentrations of vapour may cause narcotic effects.

May be absorbed by the skin.

May irritate the mucous membranes.

**Further information**

Excellent skin tolerance of the product has been confirmed by dermatological expertise.

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

**General information**

Do not flush into surface water.

Weakly water-endangering.

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**13. Disposal information**  
(for additional information see chapter 16: Other information)

**Recommendation**

Where possible recycling is preferred to disposal.

Can be incinerated according to the local regulations.

**Waste code No.**

070601

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.

**Recommended material for cleaning**

Water.

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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. (ethanol)

**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. (ethanol)

**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
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. (ethanol)

**Special provisions**

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

**15. Regulatory information**

**Labelling**

**Classification regulations**

According to EC hazardous substance regulations in compliance with the EC guidelines this product must be labelled as:

**R-Phrases**

10 Flammable.

**S-Phrases**

7 Keep container tightly closed.  
16 Keep away from sources of ignition-no smoking.  
23 Do not breathe vapour/aerosol.  
51 Use only in well-ventilated areas.

**National regulations**

**Restrictions of occupation**

Observe restrictions of occupation for juveniles (acc. to § 22 JArbSchG). Observe employment restrictions for pregnant and nursing mothers (acc. to §§ 4 and 5 MuSchRiV).

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## Technische Anleitung Luft III

Weight fraction

5.2.5: Organic compounds, m  $\geq$  0.50 kg/h: Conc. 50 mg/m<sup>3</sup>  
< 45 %

## Water hazard class (WGK)

Classification

1 - 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

42 %

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## 16. Other information

### Full wording of the R-phrases specified in chapter 2 and 3

10 Flammable.

11 Highly flammable.

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)

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*(The data of the hazardous substances are based on the current material data safety sheets of the supplier.)*