

SAFETY DATA SHEET

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

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation:

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* 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture:

Schmiermittel

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Dr. Hoeck GmbH

Chemietechnik

Prinz-Regent-Straße 48

44795 Bochum

Telephone: 0234-3384747

Telefax: 0234-3384874

E-mail: info@dr-hoeck.de

Website: www.dr-hoeck.de

1.4. Emergency telephone number

24h: +49 (0) 89-19240 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	

* 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Danger

hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

hazard statements for health hazards

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Supplemental Hazard information (EU): -

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Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements Storage

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
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2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 67-63-0 EC No.: 200-661-7 REACH No.: 01-2119457558-25-XXXX	propan-2-ol Eye Irrit. 2, Flam. Liq. 2, STOT SE 3 Danger H225-H319-H336	54 - ≤ 90 Wt %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention if you feel unwell.

In case of skin contact:

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

In case of skin irritation, consult a physician.

IF ON CLOTHING: Immediately remove any contaminated clothing, shoes or stockings. After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

After eye contact:

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment.

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4.2. Most important symptoms and effects, both acute and delayed

Serious eye damage/eye irritation Drowsiness Dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray

Water spray jet alcohol resistant foam Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Pyrolysis products, toxic Combustible

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove all sources of ignition.

Provide adequate ventilation. Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Use only in well-ventilated areas. Wear personal protection equipment (refer to section 8).

Fire prevent measures:

Take precautionary measures against static discharges.

Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

solvent-resistant

The floor should be leak tight, jointless and not absorbent.

Keep/Store only in original container.

Hints on storage assembly:

Materials to avoid Oxidising agent

Storage class: 3 - Flammable liquids

Further information on storage conditions:

Keep container tightly closed.

Keep in a cool, well-ventilated place.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	propan-2-ol CAS No.: 67-63-0	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 903 (DE)	propan-2-ol CAS No.: 67-63-0	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	propan-2-ol CAS No.: 67-63-0	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende

8.1.3. DNEL-/PNEC-values

No data available

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* 8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Tightly sealed safety glasses. Avoid contact with eyes and skin. Wear suitable gloves and eye/face protection. Eye glasses with side protection DIN EN 166

Skin protection:

Avoid contact with eyes and skin.

Hand protection: Butyl caoutchouc (butyl rubber) Wear suitable gloves and eye/face protection. Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time (maximum wearing time) min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

PVC (polyvinyl chloride): Thickness of the glove material :0,6 mm Permeation time (maximum wear time) 480min

CR (polychloroprene, chloroprene rubber): Thickness of the glove material :0,65mm Permeation time (maximum wear time) 480min

NBR (Nitrile rubber): Thickness of the glove material :0,4mm Permeation time (maximum wear time) 480min

Butyl caoutchouc (butyl rubber): Thickness of the glove material :0,7mm Permeation time (maximum wear time) 480min

Respiratory protection:

Respiratory protection necessary at: high concentrations

Filtering device (DIN EN 147) Filtertypen: A, B, E, K. Keine Kleinfilter (Filterklasse 1) verwenden! Klasse 2: Höchstzulässige Schadstoffkonzentration in der Atemluft = 5000 ml/m³ (0,5 Vol.-%); Klasse 3 = 10000 ml/m³ (1,0 Vol.-%). Do not breathe dust. Do not breathe aerosol. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filtering device with filter or ventilator filtering device of type: A A

Other protection measures:

General health and safety measures: When using do not eat, drink or smoke.

Wash hands before breaks and after work.

Protect skin by using skin protective cream.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: light pink

Odour: Alcohol

Safety relevant basis data

parameter		at °C	Method	Remark
pH	7 - 8	20 °C		
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	80 - 82 °C			pressure: 1014 mbar
Decomposition temperature	<i>not determined</i>			
Flash point	12 - 150 °C			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	425 °C			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	4.3 kPa	20 °C		

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parameter		at °C	Method	Remark
Vapour density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	<i>not determined</i>		not applicable	
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/ water	<i>not determined</i>		not determined	
Dynamic viscosity	<i>not determined</i>		not determined	
Kinematic viscosity	<i>not determined</i>	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

In fine dispersion/spraying/misting:

10.5. Incompatible materials

Reacts with : Oxidising agent, strong Oxidising agent

10.6. Hazardous decomposition products

Gases/vapours, flammable Gases/vapours, toxic

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
67-63-0	propan-2-ol	LD₅₀ oral: 5,050 mg/kg (Ratte) LD₅₀ dermal: 12,800 mg/kg (Kaninchen)

Acute oral toxicity:

not determined Based on available data, the classification criteria are not met.

Acute dermal toxicity:

not determined Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

not determined Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

not determined Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

not determined Based on available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

not determined Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

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STOT-single exposure:

May cause drowsiness or dizziness.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional information:

Specific symptoms in animal studies: not determined

Repeated dose toxicity (subacute, subchronic, chronic): not determined

Observations relevant to classification: not determined No data available

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
67-63-0	propan-2-ol	LC₅₀: 4,200 - 11,100 mg/l 4 d (Pimephales promelas) LC₅₀: 1,400 - 1,400 mg/l 2 d

Aquatic toxicity:

not determined

Terrestrial toxicity:

not determined

Effects in sewage plants:

not determined

12.2. Persistence and degradability

Additional information:

Further ecological information: not determined

12.3. Bioaccumulative potential

Accumulation / Evaluation:

not determined

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
67-63-0	propan-2-ol	—

12.6. Other adverse effects

Chemical oxygen demand (COD): not determined

Biochemical oxygen demand: not determined

AOX: not determined

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This material and its container must be disposed of as hazardous waste.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

07 06 99 Wastes not otherwise specified

Waste code packaging:

07 06 99 Wastes not otherwise specified

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Waste treatment options





Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

This material and its container must be disposed of as hazardous waste. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
UN 1219	UN 1219	UN 1219	UN 1219
14.2. UN proper shipping name			
ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)
14.3. Transport hazard class(es)			
 3	 3	 3	 3
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special provisions: 601 Limited quantity (LQ): 1 L Excepted Quantities: E2 Hazard identification number (Kemler No.): 33 Classification code: F1 tunnel restriction code: (D/E) Remark: Classification code: F1	Special provisions: 601 Limited quantity (LQ): 1 L Excepted Quantities: E2 Classification code: F1 Remark:	Special provisions: - Limited quantity (LQ): 1 L Excepted Quantities: E2 EmS-No.: F-E, S-D Remark:	Special provisions: A180 Excepted Quantities: E2 Remark:

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU legislation

No data available

15.1.2. National regulations

[DE] National regulations

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

Source:

S Selbsteinstufung

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

1.2.	Relevant identified uses of the substance or mixture and uses advised against
2.2.	Label elements
8.2.	Exposure controls
14.2.	UN proper shipping name

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

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Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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