



Revision date: 23 Oct 2024 Version: 1 Print date: 30 Jan 2025

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

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

1.1. Product identifier

Trade name/designation:

RAVENOL Sommer-Scheibenreiniger 1:100 (Konzentrat)

Other means of identification:

RAVENOL Summer Screen Wash 1:100

Article No.:

1360082

UFI:

F6RN-00PT-4TGF-JMKJ

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

Use of the substance/mixture:

Cleaning agent

1.3. Details of the supplier of the safety data sheet

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

Ravensberger Schmierstoffvertrieb GmbH

Produktsicherheit

Jöllenbecker Str. 2

33824 Werther

Germany

Telephone: +49 5203 9719 0

Telefax: +49 5203 9719 40

E-mail: kontakt@ravenol.de

Website: www.ravenol.de

E-mail (competent person): sdb@ravenol.de

1.4. Emergency telephone number

24 hr. emergency phone number, 24h: +1 872 5888271 (Contract ID: RAV)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information

EUH210 Safety data sheet available on request.

Precautionary statements: none

2.3. Other hazards

Other adverse effects:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Additional information:

Regulation (EC) No. 648/2004 [Detergents regulation]: < 5 % non-ionic surfactants; perfumes ((R)-p-mentha-1,8-diene)



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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 Index No.: 603-117-00-0 REACH No.: 01-2119457558-25	propan-2-ol Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) Danger Acute Toxicity Estimate ATE (oral) 5,280 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, vapour) 47.5 mg/L	≥ 2.5 - < 10 weight-%

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 but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. Consult a doctor immediately.

In case of skin contact:

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Consult a doctor immediately.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Rinse mouth thoroughly with water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

No known symptoms to date.

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:

Co-ordinate fire-fighting measures to the fire surroundings.

Carbon dioxide (CO₂)

Extinguishing powder

alcohol resistant foam

Use water spray jet to protect personnel and to cool endangered containers.

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

During heating or in case of fire, toxic gases is possible.

Hazardous combustion products:

Nitrogen oxides (NO_x), Carbon monoxide, Carbon dioxide (CO₂)

During heating or in case of fire, toxic gases is possible.

5.3. Advice for firefighters

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

5.4. Additional information

Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Use personal protection equipment. Avoid contact with skin, eyes and clothes. Special danger of slipping by leaking/spilling product.

Protective equipment:

Personal protection equipment: see section 8

Emergency procedures:

Remove persons to safety. Provide adequate ventilation.

6.1.2. For emergency responders

Personal protection equipment:

Use appropriate respiratory protection.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up:

Clean contaminated articles and floor according to the environmental legislation.

Other information:

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

Clear spills immediately. Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Clear spills immediately. Use appropriate container to avoid environmental contamination.

Fire prevent measures:

No special fire protection measures are necessary.

Measures to prevent aerosol and dust generation:

Use only in well-ventilated areas.

Environmental precautions:

Shafts and sewers must be protected from entry of the product.

Advices on general occupational hygiene

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Packaging materials:

Keep only in the original container in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

No special measures are necessary. Shafts and sewers must be protected from entry of the product.



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Hints on storage assembly:

TRGS 510

Storage class (TRGS 510, Germany): 10 - Combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Keep away from heat. Protect from direct sunlight. Protect against: Frost
 Keep container tightly closed.

7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

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
BE from 1 Dec 2011	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)
CZ from 20 May 2021	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³) ⑤ I
PL from 12 Jun 2018	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 900 mg/m ³ ② 1,200 mg/m ³ ⑤ (może przenikać przez skórę do organizmu) skóra
NO	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 100 ppm (245 mg/m ³)
IE from 17 Jan 2020	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm ② 400 ppm ⑤ (may be absorbed through the skin) Sk
HTP (FI)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 250 ppm (620 mg/m ³)
LT	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 150 ppm (350 mg/m ³) ② 250 ppm (600 mg/m ³) ⑤
SE	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 150 ppm (350 mg/m ³) ③ 250 ppm (600 mg/m ³)
MY from 1 Jan 2000	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (983 mg/m ³)
NPEL (SK) from 23 Nov 2011	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)
MAK (AT)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	② 800 ppm (2,000 mg/m ³) ⑤ (max. 4x15 min./Schicht)
BG from 17 Jan 2020	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 980 mg/m ³ ② 1,225 mg/m ³
DK	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (490 mg/m ³) ② 400 ppm (980 mg/m ³)



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HR	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (999 mg/m ³) ② 500 ppm (1,250 mg/m ³)
CN	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 350 mg/m ³ ② 700 mg/m ³
RO	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 81 ppm (200 mg/m ³) ② 203 ppm (500 mg/m ³)
ES from 1 Jan 2011	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³) ⑤ VLB®, s
EE	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 150 ppm (350 mg/m ³) ② 250 ppm (600 mg/m ³)
Alberta (CA)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (492 mg/m ³) ② 400 ppm (984 mg/m ³)
LV	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 350 mg/m ³ ② 600 mg/m ³
BC (CA)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm ② 400 ppm
JP	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	③ 400 ppm (980 mg/m ³)
VLA (FR)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	② 400 ppm (980 mg/m ³)
MAK (AT)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³)
SI from 4 Oct 2018	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³) ⑤ Y, BAT
WEL (GB)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (999 mg/m ³) ② 500 ppm (1,250 mg/m ³)
TW	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (983 mg/m ³)
KR	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (480 mg/m ³) ② 400 ppm (980 mg/m ³)
IS	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (490 mg/m ³) ⑤ (efnið getur auðveldlega borist inn í líkamann gegnum húð) H
CH from 1 Jan 2024	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³) ⑤ SSC B; Messmeth: INRS NIOSH
HU from 1 Apr 2024	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³) ⑤ (felvehető a bőrön keresztül) b, i, R



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RU	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 10 mg/m ³ ③ 50 mg/m ³
GR from 1 Oct 2016	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (980 mg/m ³) ② 500 ppm (1,225 mg/m ³)
IDLH (US) from 1 Jan 1994	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 2,000 ppm [10% LEL]
Québec (CA) from 1 Apr 2022	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm ② 400 ppm
OSHA (US)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (980 mg/m ³)
NIOSH (US)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (980 mg/m ³) ② 500 ppm (1,225 mg/m ³)
ACGIH (US) from 1 Mar 2014	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (492 mg/m ³) ② 400 ppm (984 mg/m ³)
TRGS 900 (DE)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³) ⑤ DFG, Y

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
BAT (CH) from 1 Jan 2011	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende
BAT (CH) from 1 Jan 2011	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
VLB (ES)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	40 mg/L	① acetona ② orina ③ en caso de exposición por largo tiempo, fin de exposición o fin de turno
TRGS 903 (DE) from 1 Nov 2012	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE) from 1 Nov 2012	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende
ACGIH-BEI (US)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	40 mg/L	① Acetone in urine ② urine ③ end of shift at end of work week



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Limit value type (country of origin)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling: ④ Remark
VLBO (RO)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	50 mg/L	① Alcohol izopropilic ② urina ③ finalul expunerii, resp. finalul schimbului
BAT (SI) from 4 Dec 2018	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① aceton ② kri ③ ob koncu delovne izmene
BAT (SI) from 4 Oct 2018	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① aceton ② urin ③ ob koncu delovne izmene
BIO (HU) from 7 Feb 2020	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② vizelet ③ expozíció vége illetve műszak vége
BIO (HR)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	50 mg/L	① aceton ② krv ③ kraj izloženosti, odnosno kraj smjene
BIO (HR)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	50 mg/L	① aceton ② urin ③ kraj izloženosti, odnosno kraj smjene

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary.

8.2.2. Personal protection equipment



Eye/face protection:

During transfer: Eye glasses with side protection
 DIN-/EN-Norms EN 166

Skin protection:

Hand protection

Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Thickness of the glove material: $\geq 0,4$ mm

Breakthrough time: 480 min

Breakthrough times and swelling properties of the material must be taken into consideration. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Tested protective gloves must be worn: EN ISO 374

Suitable protective clothing: Protective clothing In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

Usually no personal respirative protection necessary.

8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

8.3. Additional information

See section 7. No additional measures necessary.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Form: Liquid

Colour: green

Odour: like: apple

flammability: Yes

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	5.3	20 °C	
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	> 100 °C		
Decomposition temperature	not applicable		
Flash point	> 100 °C		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	2 - 12 Vol-%		
Vapour pressure	No data available		
Vapour density	No data available		
Density	0.99 g/cm ³	20 °C	
Bulk density	not applicable		
Water solubility	completely miscible		
Dynamic viscosity	No data available		
Kinematic viscosity	No data available		

9.2. Other information

Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

No known hazardous reactions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No special measures are necessary.

10.5. Incompatible materials

Oxidising agent, strong; Acid

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Further information

No information available.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

LD₅₀ oral: 5,280 mg/kg (Rat)

LD₅₀ dermal: >2,000 mg/kg

LC₅₀ Acute inhalation toxicity (vapour): 47.5 mg/L 4 h (Rat)



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Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

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:

Frequently or prolonged contact with skin may cause dermal irritation.

11.2. Information on other hazards

Endocrine disrupting properties:

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Other information:

No information available.

SECTION 12: Ecological information

12.1. Toxicity

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
LC₅₀: 9,640 mg/L 4 d (fish, Pimephales promelas)
LC₅₀: >1,000 mg/L 4 d (crustaceans, Oncorhynchus mykiss (Rainbow trout))
LC₅₀: >100 mg/L 2 d (fish, Leuciscus idus (golden orfe))
EC₅₀: >100 mg/L 3 d (Algae/water plant, Desmodemus subspicatus) OECD 401
EC₅₀: 13,299 mg/L 2 d (crustaceans, Daphnia magna)
EC₅₀: >10,000 mg/L 1 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
ErC₅₀: >100 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus)
ErC₅₀: 1,000 mg/L 3 d (Algae/water plant)

Assessment/classification:

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

Additional ecotoxicological information:

Do not allow uncontrolled discharge of product into the environment.

12.2. Persistence and degradability

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7
Biodegradation: Yes, rapidly

Biodegradation:

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.



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Additional information:

The product has not been tested.

12.3. Bioaccumulative potential

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

Log K_{OW}: 0.05

Accumulation / Evaluation:

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

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:

Non-contaminated packages may be recycled.

13.2. Additional information

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.



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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

Other regulations (EU):

This product is not assigned to a hazard category.

Regulation (EC) No. 648/2004 [Detergents regulation]: < 5 % non-ionic surfactants; perfumes ((R)-p-mentha-1,8-diene)

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 6 weight-%

15.1.2. National regulations

[DE] National regulations

Restrictions of occupation

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Störfallverordnung (12. BlmschV)

for substances contained in the product:

This product is not assigned to a hazard category.

Technische Anleitung zur Reinhaltung der Luft (TA-Luft)

Remark:

To follow: 5.2.5

Water hazard class

WGK:

1 - slightly hazardous to water

Source:

Self-classification (mixture; calculation rule).

Technische Regeln für Gefahrstoffe

TRGS 500

TRGS 510

TRGS 900

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Berufsgenossenschaftliche Informationen (DGUV-Informationen) 868

Berufsgenossenschaftliche Regeln (DGUV-Regeln) 189, 190, 192, 195

[CH] National regulations

Other regulations, restrictions and prohibition regulations

Mengenschwelle (Schweiz - StFV)

Gefahrencode

Brandverhütung, BVD (Schweiz)

Störfallverordnung (StFV)

[SK] National regulations

Other regulations, restrictions and prohibition regulations

Zákon č. 67/2010 Z.z., o podmienkach uvedenia chemických látok a chemických zmesí na trh a o zmene a doplnení niektorých zákonov (chemický zákon).

Zákon č. 124/2006 Z. z. o bezpečnosti a ochrane zdravia pri práci a o zmene a doplnení niektorých zákonov.

Zákon NR SR č. 355/2007 Z.z., o ochrane, podpore a rozvoji verejného zdravia a o zmene a doplnení niektorých zákonov, v znení neskorších predpisov.

Nariadenie vlády SR 471/2011 Z.z., ktorým sa mení nariadenie vlády Slovenskej republiky č. 355/2006 Z. z. o ochrane zamestnancov pred rizikami súvisiacimi s expozíciou chemickým faktorom pri práci, Príloha č.1.

Zákon č. 79/2015 Z.z. o odpadoch v znení neskorších predpisov.

Vyhláška MV SR č. 96/2004 Z.z., ktorou sa ustanovujú zásady protipožiarnej bezpečnosti pri manipulácii a skladovaní horľavých kvapalín, ťažkých vykurovacích olejov a rastlinných a živočíšnych tukov a olejov.

Zákon NR SR č. 137/2010 Z.z. o ovzduší v znení neskorších predpisov.

Zákon č. 319/2013 Z.z. o pôsobnosti orgánov štátnej správy pre sprístupňovanie biocídnych výrobkov na trh a ich používanie a o zmene a doplnení niektorých zákonov (biocídny zákon).

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.



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15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

Not applicable

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC ₅₀	Effective Concentration 50%
ES	Exposure scenario
IBC	Intermediate Bulk Container
IC ₅₀	Inhibition Concentration 50 %
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC ₅₀	Lethal (fatal) Concentration 50%
LD ₅₀	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

See overview table at www.euphrac.eu

16.3. Key literature references and sources for data

EC 1907/2006 - REACH Regulation
 1272/2008 EC - Regulation on classification, labeling and packaging of substances and mixtures, and amending Directives 67/548/EEC and 1999/45/EC and Regulation (EC) No 1907/2006
 Regulation (EC) No 1907/2006 (REACH), Annex II
 European Chemicals Agency (ECHA), C & L classification and labeling inventory
 European Chemicals Agency (ECHA), ECHA CHEM Registered substances
 OECD The Global Portal to Information on Chemical Substances (ChemPortal)
 Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA): GESTIS substance database and International limit values for chemical substances
 Federal Environment Agency, Section IV 2.4: Documentation and Information Centre substances hazardous to water Rigoletto (catalog substances hazardous to water)

Substance name	Type	source of supply
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	EC ₅₀	Source: European Chemicals Agency, http://echa.europa.eu/



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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

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.