

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Surface Cleaner Niveau

Print date: 01.02.2012

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Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
200-746-9	propan-1-ol; n-propanol	20 - 30 %
71-23-8	F, Xi R11-41-67	
603-003-00-0	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336	

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

SECTION 4: First aid measures

Description of first aid measures

General information

Move victim out of danger zone and lay down. Remove contaminated clothing immediately and dispose off safely.

After inhalation

Seek medical attention if problems persist. Provide fresh air. Where appropriate artificial ventilation. If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Consult physician immediately.

Indication of any immediate medical attention and special treatment needed

Caution if victim vomits: Risk of aspiration!

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

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

Extinguishing media which must not be used for safety reasons

High power water jet.

Special hazards arising from the substance or mixture

Carbon monoxide.

Advice for firefighters

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

Additional information

Use water spray/stream to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Keep away from unprotected people. Keep upwind. Provide adequate ventilation. Remove all sources of ignition.

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Environmental precautions

Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Provide adequate ventilation. Treat the assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Keep in a cool, well-ventilated place. Provide for sufficient ventilation and punctiform suction at critical points. Provide a suction section for room air on ground-level.

Advice on protection against fire and explosion

Concentrated vapours are heavier than air. Vapours may form explosive mixtures with air. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Suitable material for floor covering: Solvent-proof. The floor should be leak tight, jointless and not absorbent.

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect against: heat. UV-radiation/sunlight.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

CAS No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
71-23-8	Propan-1-ol	200	500		TWA (8 h)	WEL
		250	625		STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

Take off immediately all contaminated clothing. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Avoid contact with skin, eye and clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications.

Eye protection

Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid
 Colour: colourless

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Odour: mild

Test method

pH-Value: 6 - 8

Changes in the physical state

Boiling point: 100 °C

Flash point: > 34 °C

Explosive properties

There are no data available on the mixture itself.

Lower explosion limits: 2,1 vol. %

Upper explosion limits: 13,5 vol. %

Ignition temperature: > 360 °C

Density (at 20 °C): 0,96 g/cm³

Solvent content: water: 74,85 %

Other information

refraction index: 1,355-1,360

SECTION 10: Stability and reactivity**Conditions to avoid**

heat.

Incompatible materials

Reacts with : Oxidizing agents.

Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information**Information on toxicological effects****Irritation and corrosivity**

Irritant effect on the eye: irritant.

Irritant effect on the skin: Not an irritant.

Sensitizing effects

No data available

Empirical data on effects on humans

Has de-greasing effect on the skin.

SECTION 12: Ecological information**Toxicity**

Product is biodegradable. Acute fish toxicity LC50: 4000mg/l/48h Leuciscus idus DIN 38412 / part 15

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

Further information

Chemical Oxygen Demand (COD) 2230mg/g

Biochemical oxygen demand (BOD) 1630mg/g

SECTION 13: Disposal considerations**Waste treatment methods**

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Waste disposal number of waste from residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing dangerous substances
Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number: 1274
UN proper shipping name: PROPANOL (PROPYL ALCOHOL, NORMAL)
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3
 Classification code: F1
 Limited quantity: 5 L
 Transport category: 3
 Hazard-no.: 30
 Tunnel restriction code: D/E

Inland waterways transport

UN number: 1274
UN proper shipping name: PROPANOL (PROPYL ALCOHOL, NORMAL)
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3
 Classification code: F1
 Limited quantity: LQ7

Marine transport

UN number: 1274
UN proper shipping name: propan-1-ol; n-propanol
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3
 Limited quantity: 5 L
 EmS: F-E, S-D

Other applicable information (marine transport)

Special requirements: 223

Air transport

UN/ID number: 1274
UN proper shipping name: propan-1-ol; n-propanol
Transport hazard class(es): 3

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Packing group:	III
Hazard label:	3
Limited quantity Passenger:	10 L
IATA-packing instructions - Passenger:	309
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	310
IATA-max. quantity - Cargo:	220 L

Other applicable information (air transport)

Danger: Y309

Special requirements: A3

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

Additional information

Restrictions on use / Inverkehrbringungsbeschränkung noted gem. § 15 Gef.Stoff Reg.

Accident Information Sheet BG: M 017 "solvent" note.

SECTION 16: Other information**Full text of R-phrases referred to under sections 2 and 3**

10	Flammable.
11	Highly flammable.
41	Risk of serious damage to eyes.
67	Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Further Information

These figures relate to the product delivery status.

Department issuing MSDS: Dept. of Chemistry

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)