

Safety Data Sheet

according to Regulation (EC) No 1907/2006

NOVO PEN-OFF

Revision date: 17.07.2017

Product code: 70176_CLP

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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

Washing and cleaning products (including solvent based products)

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	DR.SCHNELL Chemie GmbH	
Street:	Taunusstraße 19	
Place:	D-80807 München	
Telephone:	+49/89/350608-0	Telefax: +49/89/350608-47
e-mail:	info@dr-schnell.de	
Contact person:	Josef Feuerstein	Telephone: +49/89/350608-46
e-mail:	sdb@dr-schnell.de	
Internet:	www.dr-schnell.de	
Responsible Department:	Labor	

1.4. Emergency telephone number:Emergency CONTACT (24-Hour-Number) international:
GBK GmbH +49 (0) 61 32 - 8 44 63**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements**Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

Additional advice on labelling

Labelling (67/548/EEC or 1999/45/EC): Omitted

2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Hazards identification : Formation of: Flammable steam/air mixtures

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			5 - < 10 %
	203-539-1	603-064-00-3		
	Flam. Liq. 3, STOT SE 3; H226 H336			
34590-94-8	Dipropylenglykoldimethylether			5 - < 10 %
	252-104-2			
5131-66-8	3-butoxypropan-2-ol			1 - < 5 %
	225-878-4		01-2119475527-28	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
122-99-6	2-phenoxyethanol			1 - < 5 %
	204-589-7	603-098-00-9		
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
67-63-0	propan-2-ol			1 - < 5 %
	200-661-7	603-117-00-0		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			

Full text of H and EUH statements: see section 16.

Further Information

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

Regulation (EC) No. 648/2004 (Detergents regulation)

< 5 % anionic surfactants

perfumes: limonene, Phenoxyethanol

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Move victim out of danger zone.

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

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.

Remove contaminated clothing immediately and dispose off safely.

In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

Remove contact lenses, if present and easy to do. Continue rinsing.

In all cases of doubt, or when symptoms persist, seek medical advice.

After ingestion

Rinse mouth thoroughly with water. Call a physician immediately.

To be accompanied by MSDS. Do NOT induce vomiting.

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

If applicable, delayed symptoms and effects can be found in section 11. , i.e. under section 4.1 for absorption methods.

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The following symptoms may occur:

Eye irritation

It can take hours before symptoms of poisoning show up following exposure.

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

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). / Foam. / Water spray.

Unsuitable extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Oxides of carbon

Phosphorus oxides.

Pyrolysis products, toxic.

Explosive steam/air combination.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

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

If necessary Full protective suit.

Additional information

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

Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

Avoid contact with eyes and skin.

Avoid breathing dust/fume/gas/mist/vapours/spray.

If necessary Caution, slippery

6.2. Environmental precautions

Do not pour down the drain undiluted.

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

Stop leak if safe to do so.

Prevent surface and ground-water infiltration, as well as ground penetration.

6.3. Methods and material for containment and 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.

Flush residue with plenty of water.

6.4. Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

In addition to the information contained in this section, relevant information can also be found in sections 8 and 6.1.

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Further information on handling

Provide adequate ventilation.
 Keep away from sources of ignition - No smoking.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 When using do not eat, drink or smoke.
 Wash hands before breaks and after work.
 General hygiene measures for the handling of chemicals are applicable.
 Observe instructions for use.
 Notice the directions for use on the label.
 Keep away from food, drink and animal feedingstuffs.
 Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Not to be stored in gangways or stair wells.
 Store product closed and only in original packing.
 Keep in a cool place.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.
 This can be achieved by local exhaust ventilation or general ventilation.
 When exceeding the occupational exposure limit (OEL): Use appropriate respiratory protection.
 Applies only if maximum permissible exposure values are listed here.

Protective and hygiene measures

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and after work.
 Keep away from food, drink and animal feedingstuffs.
 Contaminated work clothing should not be allowed out of the workplace.

Eye/face protection

Recommended
 Tightly sealed safety glasses. (EN 166)
 For Danger of splashes.

Hand protection

Recommended
 On short hand contact: rubber gloves. (EN 374)

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Hand lotion are recommended.

No tests have been carried out.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection

When exceeding the occupational exposure limit (OEL): Filter A (EN 14387), brown

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: liquid
Colour: colourless

Test method

pH-Value: 9,5

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: not determined
Flash point: not determined (Not sustaining combustion)

Flammability

Solid: not determined
Gas: not determined

Explosive properties

not determined

Lower explosion limits: 2 vol. % (2-propanol)
Upper explosion limits: 12 vol. % (2-propanol)

Auto-ignition temperature

Solid: not determined
Gas: not determined

Oxidizing properties

not determined

Vapour pressure: not determined
Vapour pressure: not determined
Density: 1,006 g/cm³
Bulk density: not determined
Water solubility: easily soluble.

Solubility in other solvents

not determined

Partition coefficient: not determined
Viscosity / dynamic: not determined
Viscosity / kinematic: not determined

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Solvent content: not determined

9.2. Other information

Mixability: not determined
Fat solubility (g/l): not determined
Conductivity: not determined
Surface tension: not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

The product has not been tested.

10.2. Chemical stability

Stable with proper storage and handling.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

See also section 7.

Heat, open flames, ignition sources

10.5. Incompatible materials

See also section 7.

Avoid contact with strong oxidants

10.6. Hazardous decomposition products

See also section 5.2.

No decomposition when used as directed.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

Possibly more information on health effects, see Section 2.1 (classification).

Acute toxicity

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	oral	LD50 > 5000 mg/kg	Ratte	IUCLID	
	dermal	LD50 11000 mg/kg	Kaninchen		
34590-94-8	Dipropylenglykolmethylether				
	oral	LD50 3300 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rat		
122-99-6	2-phenoxyethanol				
	oral	LD50 1850 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
67-63-0	propan-2-ol				
	oral	LD50 5280 mg/kg	Rat		
	dermal	LD50 12800 mg/kg	Rabbit		
	inhalative (4 h) vapour	LC50 30 mg/l	Rat		

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

SECTION 12: Ecological information

12.1. Toxicity

Possibly more information on health effects, see Section 2.1 (classification).

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50 4600 - 10000 mg/l	96 h	Leuciscus idus	IUCLID	
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Selenastrum capricornutum		
	Acute crustacea toxicity	EC50 > 500 mg/l	48 h	Daphnia magna	IUCLID	
34590-94-8	Dipropylenglykolmethylether					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Poecilia reticulata (Guppy)		
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Scenedesmus subspicatus		
122-99-6	2-phenoxyethanol					
	Acute fish toxicity	LC50 220 - 460 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 > 500 mg/l	72 h	Scenedesmus sp.		
	Acute crustacea toxicity	EC50 > 500 mg/l	48 h	Daphnia magna		
67-63-0	propan-2-ol					
	Acute fish toxicity	LC50 9640 mg/l	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 13299 mg/l	48 h	Daphnia magna		

12.2. Persistence and degradability

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437
122-99-6	2-phenoxyethanol	1,16

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

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Advice on disposal

Dispose of waste according to applicable legislation.
For example: designated incinerator
E.g. dispose at suitable refuse site.

Waste disposal number of waste from residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Dispose of waste according to applicable legislation.
Completely empty containers
Contaminated packages must be completely emptied and can be re-used following proper cleaning.
Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable

Inland waterways transport (ADN)

14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class(es): not applicable
14.4. Packing group: not applicable

Marine transport (IMDG)

14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class(es): not applicable

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class(es): not applicable

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

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

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EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3: 1-methoxy-2-propanol; monopropylene glycol methyl ether

2010/75/EU (VOC): 20,046 % (201,665 g/l)

2004/42/EC (VOC): 24,006 % (241,502 g/l)

Additional information

For classification and labelling, see section 2.

Observe Chemical Ordinance, ChemO

Observe Chemical Risk Reduction Ordinance, ORRChem

Observe Air Quality Control regulation

National regulatory information

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

15.2. Chemical safety assessment

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

SECTION 16: Other information**Changes**

Revised sections: 7, 16

Abbreviations and acronyms

vPvB = very persistent very bioaccumulative

PBT = persistent bioaccumulative toxic

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH210	Safety data sheet available on request.

Further 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.

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