

Safety Data Sheet

according to Regulation (EC) No 1907/2006

FOROL

Revision date: 02.02.2018

Product code: 70306_CLP

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

1.1. Product identifier

FOROL

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

Use of the substance/mixture

For cleaning up
Reserved for industrial and professional use.

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	DR.SCHNELL GmbH & Co. KGaA	
Street:	Tanusstraße 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.

2.3. Other hazards

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

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]			
5131-66-8	3-butoxypropan-2-ol			1 - < 5 %
	225-878-4		01-2119475527-28	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
68154-97-2	Alcohols, C10-12, ethoxylated, propoxylated			1 - < 5 %
	940-634-3			
	Eye Irrit. 2; H319			
68439-46-3	Alcohol ethoxylate C9-C11			1 - < 5 %
			01-2119980051-45	
	Acute Tox. 4, Eye Irrit. 2; H302 H319			

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

Further Information

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

5 % - < 15 % nonionic surfactants

< 5 % anionic surfactants

perfumes: Citral, limonene, linalool

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Move victim out of danger zone. Provide fresh air.

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

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.

Unsuitable cleaning agent: Solvent/Thinner.

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 immediately and drink plenty of water.

If swallowed, seek medical advice immediately and show this container or label.

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.

The following symptoms may occur:

Eye irritation

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

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

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No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Water spray. / alcohol resistant foam. / Carbon dioxide (CO₂). / Dry extinguishing powder.

Unsuitable extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Oxides of carbon

Sulfur oxides.

Nitrogen oxides (NO_x).

Gas/vapours, toxic.

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

Remove all sources of ignition. No smoking.

Provide adequate ventilation.

Avoid contact with eyes and skin.

If necessary Caution, slippery

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.

Leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

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.

Unsuitable cleaning agent: Solvent/Thinner.

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.

Further information on handling

Provide adequate ventilation.

Avoid contact with eyes and skin.

When using do not eat, drink or smoke.

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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.
Recommended storage temperature: at room temperature
Protect against: frost.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

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

Hand protection

If necessary rubber gloves. (EN 374)
Protective gloves of nitrile (EN 374)
Protective gloves of neoprene (EN 374)
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

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

Environmental exposure controls

No information available.

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

Physical state:	liquid	
Colour:	orange	
Odour:	characteristic	
pH-Value:		10,6

Changes in the physical state

Melting point:		<0 °C
Initial boiling point and boiling range:		~100 °C
Flash point:		82 °C
Sustaining combustion:	Not sustaining combustion	

Flammability

Solid:	not determined
Gas:	not determined

Explosive properties

not determined

Lower explosion limits:	not determined
Upper explosion limits:	not determined

Auto-ignition temperature

Solid:	not determined
Gas:	not determined

Oxidizing properties

not determined

Vapour pressure:	not determined
Vapour pressure:	not determined
Density:	1,003 g/cm ³
Bulk density:	not applicable
Water solubility:	miscible.

Solubility in other solvents

not determined

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

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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.

No information available.

10.5. Incompatible materials

See also section 7.

Avoid contact with strong oxidants

Avoid contact with other chemicals.

Avoid contact with strong acids.

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**

No classification according to calculation methods.

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68154-97-2	Alcohols, C10-12, ethoxylated, propoxylated				
	oral	LD50 >2000 mg/kg	Rat		
68439-46-3	Alcohol ethoxylate C9-C11				
	oral	LD50 >2000-5000 mg/kg			
	inhalative (4 h) vapour	LC50 >20,1 mg/l			

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**

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
68154-97-2	Alcohols, C10-12, ethoxylated, propoxylated					
	Acute algae toxicity	ErC50 mg/l	>1-10	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	>1-10	48 h	Daphnia magna	
68439-46-3	Alcohol ethoxylate C9-C11					
	Acute fish toxicity	LC50	11 mg/l	96 h		
	Acute algae toxicity	ErC50 mg/l	1,1-10	72 h	Skeletonema costatum	
	Acute crustacea toxicity	EC50 mg/l	1-10	48 h		

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

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

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.
Dispose using dual system.
Completely empty containers

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: not applicable

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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****EU regulatory information**

2010/75/EU (VOC): 4,074 % (40,857 g/l)

2004/42/EC (VOC): 4,4 %

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

SECTION 16: Other information**Changes**

Revised sections: 1, 2, 7, 16

Abbreviations and acronyms

vPvB = very persistent very bioaccumulative

PBT = persistent bioaccumulative toxic

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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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.)