

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MILIZID

Print date: 23.07.2015

Product code: 70208_CLP

Page 1 of 9

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

MILIZID

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

Cleaning agent, acidic

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	DR.SCHNELL Chemie GmbH		
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****2.2. Label elements****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

Additional advice on labelling

Classification according EC regulation 1272/2008 (CLP): This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]. (Practical experience/human experience. Expert judgement and weight of evidence determination.)

Classification according to directive 67/548/EEC or 1999/45/EC: The preparation is not dangerous in the sense of Directive 1999/45/EC.

2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB. Low pH-value can be harmful to water. Observe pH value.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MILIZID

Print date: 23.07.2015

Product code: 70208_CLP

Page 2 of 9

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
5329-14-6	sulfamic acid			5 - <20 %
	226-218-8	016-026-00-0		
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412			
69011-36-5	isotridecanol, ethoxylated			1 - <3 %
	931-138-8			
	Acute Tox. 4, Eye Dam. 1; H302 H318			

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

Further Information

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

< 5 non-ionic surfactants

perfumes

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.
 To be accompanied by MSDS.

After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.

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.
 To be accompanied by MSDS.

After ingestion

Rinse mouth immediately and drink plenty of water. Immediately call a doctor.

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:

Irritating to eyes and skin.

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

Treat symptomatically. No special measures are necessary.

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

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

Unsuitable extinguishing media

High power water jet.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MILIZID

Print date: 23.07.2015

Product code: 70208_CLP

Page 3 of 9

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.
Hazardous combustion products
Oxides of carbon
Sulfur oxides.
Nitrogen oxides (NO_x).
Gas/vapours, toxic.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. If necessary Full protection suit. In case of fire and/or explosion do not breathe fumes.
Acid-resistant protection clothing (EN 13034)

Additional information

Suppress gases/vapours/mists with water spray jet.
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**

Avoid contact with skin, eyes and clothes.
If necessary Caution, slippery

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

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 .
Neutralisation possible by an expert.
Can be diluted with water
Flush residue with plenty of water.

6.4. Reference to other sections

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

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Further information on handling

Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Observe instructions for use.
Notice the directions for use on the label.
Working methods should be applied according to operating instructions .
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and after work.
Keep away from food, drink and animal feeding stuffs.
Contaminated work clothing should not be allowed out of the workplace.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MILIZID

Print date: 23.07.2015

Product code: 70208_CLP

Page 4 of 9

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
Do not use acid sensitive materials.
Store separately from alkalis.

Advice on storage compatibility

No special measures are necessary.

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 feeding stuffs.
Contaminated work clothing should not be allowed out of the workplace.

Eye/face protection

Normally not recommended.
Tightly sealed safety glasses. (EN166) For Danger of splashes.

Hand protection

Use acid resistant protective gloves (EN374).

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. 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.

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

No tests have been carried out.

Skin protection

Wear suitable protective clothing.

Respiratory protection

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

Environmental exposure controls

No information available.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MILIZID

Print date: 23.07.2015

Product code: 70208_CLP

Page 5 of 9

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	green
Odour:	characteristic

Test method

pH-Value:	0,5
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Changes in the physical state

Melting point:	not determined
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Initial boiling point and boiling range:	~100 °C
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Flash point:	not applicable
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Flammability

Solid:	not determined
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Gas:	not determined
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Explosive properties

The product is not: Explosive.

Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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Auto-ignition temperature

Solid:	not determined
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Gas:	not determined
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Decomposition temperature:	not determined
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Oxidizing properties

No.

Vapour pressure:	not determined
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Vapour pressure:	not determined
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Density:	~1,082 g/cm³
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Bulk density:	not applicable
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Water solubility:	easily soluble.
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Solubility in other solvents

not determined

Partition coefficient:	not determined
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Viscosity / dynamic:	not determined
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Viscosity / kinematic:	not determined
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Vapour density:	not determined
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Evaporation rate:	not determined
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Solvent content:	not determined
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9.2. Other information

Solid content:	not determined
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Mixability: not determined

Fat solubility (g/l): not determined

Solvent:: not determined

Conductivity: not determined

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MILIZID

Print date: 23.07.2015

Product code: 70208_CLP

Page 6 of 9

Surface tension: not determined

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

Contact with strong alkalis leads to strong exothermic reaction.

10.2. Chemical stability

Stable with proper storage and handling.

10.3. Possibility of hazardous reactions

Contact with strong alkalis leads to strong exothermic reaction.

10.4. Conditions to avoid

See also section 7.

No information available.

10.5. Incompatible materials

See also section 7.

Contact with strong alkalis leads to strong exothermic reaction.

Avoid contact with acid sensitive materials.

Possibly extensive generation of hydrogen on contact with amphoteric metals (e.g. aluminium, lead, zinc) (explosive hazard!).

10.6. Hazardous decomposition products

See also section 5.2.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

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

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
5329-14-6	sulfamic acid				
	oral	LD50	3160 mg/kg	Rat	
69011-36-5	isotridecanol, ethoxylated				
	oral	LD50 mg/kg	>300-2000	Rat	
	dermal	LD50	>2000 mg/kg	Rabbit	

Irritation and corrosivity

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

Milizid:

Practical experience/human evidence: not corrosive, Not an irritant. (N case of eye contact, Skin contact. TÜV Report, Expert judgement and weight of evidence determination.)

Sensitising effects

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

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MILIZID

Print date: 23.07.2015

Product code: 70208_CLP

Page 7 of 9

Aspiration hazard

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

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

SECTION 12: Ecological information**12.1. Toxicity**

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
5329-14-6	sulfamic acid					
	Acute fish toxicity	LC50	70,3 mg/l	96 h	Pimephales promelas	
69011-36-5	isotridecanol, ethoxylated					
	Acute fish toxicity	LC50	>1-10 mg/l	96 h	Cyprinus carpio (Common Carp)	
	Acute algae toxicity	ErC50	>1-10 mg/l	72 h	Desmodesmus subspicatus.	
	Acute crustacea toxicity	EC50	>1-10 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

The surfactants contained in this preparation comply 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
5329-14-6	sulfamic acid	-4,34

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

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. 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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MILIZID

Print date: 23.07.2015

Product code: 70208_CLP

Page 8 of 9

Waste disposal number of used product

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

Wash with plenty of water. Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

Recommendation: Dispose using dual system.

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

Air transport (ICAO)

14.1. UN number: 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 MARPOL73/78 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): 0,2%

Additional information

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

National regulatory information

Employment restrictions: Observe employment restrictions for young people.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MILIZID

Print date: 23.07.2015

Product code: 70208_CLP

Page 9 of 9

15.2. Chemical safety assessment

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

SECTION 16: Other information**Changes**

Revised sections: 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 15, 16

Abbreviations and acronymsADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
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.)