

Safety Data Sheet

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



Trade name : Mould Remover - Spray
(Schimmelspray)
Article number : 0054__000
Revision date : 18.04.2019
Version (Revision) : 11.0.0 (10.0.0)
Print date : 18.04.2019

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

1.1 Product identifier

Mould Remover - Spray
(Schimmelspray) (0054__000)

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

Relevant identified uses

Product Categories [PC]

PC8 - Biocidal product
PC0.66 - Bleaching products and comparable oxidisers

Sector of uses [SU]

SU21 - Consumer uses: Private households (= general public = consumers)
SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

1.3 Details of the supplier of the safety data sheet

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

PUFAS Werk KG

Street : Im Schedetal 1

Postal code/city : 34346 Hann. Münden

Telephone : +49 (0)5541 7003-01

Telefax : +49 (0)5541 7003-50

Information contact :

E-mail (competent person) : sds@pufas.de

Website : www.pufas.de

1.4 Emergency telephone number

+49 (0)5541 7003-41/-64

Only available during office hours (Mo-Th 8 - 16 h, Fr 8 - 12.30 h).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Aquatic Acute 1 ; H400 - Hazardous to the aquatic environment : Acute 1 ; Very toxic to aquatic life.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Corr. 1C ; H314 - Skin corrosion/irritation : Category 1C ; Causes severe skin burns and eye damage.

Met. Corr. 1 ; H290 - Corrosive to metals : Category 1 ; May be corrosive to metals.

2.2 Label elements

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

Hazard pictograms



Corrosion (GHS05) · Environment (GHS09)

Signal word

Danger

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Hazard components for labelling

SODIUM HYPOCHLORITE SOLUTION (> 3% - 5% active chlorine) 99 % ; CAS No. : 7681-52-9

Hazard statements

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Precautionary statements

P102 Keep out of reach of children.
P260 Do not breathe spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P501 Dispose of contents / container in accordance with local/regional/national regulations of waste disposal.
P273 Avoid release to the environment.

Special rules for supplemental label elements for certain mixtures

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Consists of: Sodium hypochlorite more than 3% and less than 5% active chlorine in water and additives

Hazardous ingredients

SODIUM HYPOCHLORITE SOLUTION (> 3% - 5% active chlorine) ; REACH registration No. : 01-2119488154-34 ; EC No. : 231-668-3; CAS No. : 7681-52-9 (M=10)

Weight fraction : $\geq 90 - < 100$ %
Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Aquatic Acute 1 ; H400

SODIUM HYDROXIDE ; EC No. : 215-185-5; CAS No. : 1310-73-2

Weight fraction : $\geq 0,2 - < 1$ %
Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1A ; H314 Eye Dam. 1 ; H318

Additional information

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

3.3 Additional information

The classification mentioned above refers to a sodium hypochlorite solution more than 10% active chlorine (also see appendix VI of the EU-regulation 1272/2008/EC, Remark B). This sodium hypochlorite solution with an active chlorine content of less than 5% is formed by dilution with water and other non-polluting substances, and is therefore subject to labeling according to the above regulation because of its pH value with H314
Untouched remains, however, the labelling duty by Annex II.2.6 of the EU-regulation 1272/2008/EC (release of chlorine gas).

Safety Data Sheet

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Notice the directions for use on the label. When in doubt or if symptoms are observed, get medical advice. Change contaminated, saturated clothing.

Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician in any case!

4.2 Most important symptoms and effects, both acute and delayed

There are no more informations available on the mixture itself.

4.3 Indication of any immediate medical attention and special treatment needed

There are no more informations available on the mixture itself.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire may be liberated: Chlorine (Cl₂)

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not inhale explosion and combustion gases. Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

The usual precautionary measures for the handling of chemicals have to be observed.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Soak up inert absorbent and dispose as waste requiring special attention. Do not dry up the product.

6.4 Reference to other sections

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

Safety Data Sheet

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Normal precautions taken when handling chemicals should be observed. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs.

Measures to prevent fire

No special measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed.

Further information on storage conditions

Do not store outside. Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Please note safety instructions and directions for use on the drum.

Do not store at temperatures below : Avoid cooling to under 0°C.

7.3 Specific end use(s)

Recommendation

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CHLORINE ; CAS No. : 7782-50-5

Limit value type (country of origin) : STEL (EC)

Limit value : 0,5 ppm / 1,5 mg/m³

Version : 07.02.2006

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection

goggles

Skin protection

Hand protection

By long-term hand contact : Gloves(tested for example according to EN374) made of the following materials used by hand contact with the product:

Butyl rubber

Thickness of the gloves: > 0.5 mm

Breakthrough time: >= 8h, wearing period: max: 8h

or

Polychloroprene

Thickness of the gloves:> 0.5 mm

Breakthrough time: 4 - 8 hours, wearing period: max: 4h

After washing hands replace lost skin fat by fat containing skin creams.

Body protection

Wearing of closed working clothes. Remove contaminated, saturated clothing.

Respiratory protection

Suitable respiratory protection apparatus

Usually no personal respirative protection necessary.

Safety Data Sheet

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General health and safety measures

The usual precautionary measures for the handling of chemicals have to be observed. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

Environmental exposure controls

See also section 6 and 12.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : liquid

Colour : light yellow

Odour

like: Chlorine

Safety relevant basis data

Melting point/melting range :	(1013 hPa)	approx.	0	°C	
Initial boiling point and boiling range :	(1013 hPa)	approx.	100	°C	
Flash point :			not applicable		Brookfield
Ignition temperature :			not applicable		
Vapour pressure :	(50 °C)		No data available		
Density :	(20 °C)	approx.	1,1	g/cm ³	
Solvent separation test :	(20 °C)		not applicable		
Water solubility :	(20 °C)		soluble		
pH :			12 - 13		
Flow time :	(20 °C)	approx.	11	s	DIN-cup 4 mm
VOC-value :		<	1	g/l	

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

None, if handled according to order. Exothermic reaction with: Highly thinned solution of an inorganic acid. Acid, concentrated.

10.6 Hazardous decomposition products

Chlorine

Safety Data Sheet

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

No data available

Acute oral toxicity

Parameter : LD50 (SODIUM HYPOCHLORITE SOLUTION (> 3% - 5% active chlorine) ;
CAS No. : 7681-52-9)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg

Acute dermal toxicity

Parameter : LD50 (SODIUM HYPOCHLORITE SOLUTION (> 3% - 5% active chlorine) ;
CAS No. : 7681-52-9)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 5000 mg/kg

Specific symptoms in animal studies

No data available

Irritant and corrosive effects

Results from in vitro test for skin corrosivity/irritancy: The product causes skin corrosions, and it causes serious damage to eyes.

Sensitisation

No data available

Repeated dose toxicity (subacute, subchronic, chronic)

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No data available

Germ cell mutagenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

11.5 Additional information

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

Safety Data Sheet

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Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (SODIUM HYPOCHLORITE SOLUTION (> 3% - 5% active chlorine) ;
CAS No. : 7681-52-9)
Species : Acute (short-term) fish toxicity
Effective dose : > 0,01 - 0,1 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (SODIUM HYPOCHLORITE SOLUTION (> 3% - 5% active chlorine) ;
CAS No. : 7681-52-9)
Species : Acute (short-term) daphnia toxicity
Evaluation parameter : water flea (Daphnia magna)
Effective dose : > 0,01 - 0,1 mg/l
Exposure time : 48 h

Effects in sewage plants

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

12.2 Persistence and degradability

No information available.

Additional information

Change of the pH-value, influence of aquatic creatures is possible.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

Adsorption/Desorption

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Additional information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Dispose according to legislation. Handle contaminated packages in the same way as the substance itself.

Waste codes/waste designations according to EWC/AVV

Waste code product

07 06 01

Waste name

aqueous washing liquids and mother liquors

Waste code packaging

15 01 02

Waste name

plastic packaging

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SECTION 14: Transport information

14.1 UN number

UN 1791

14.2 UN proper shipping name

Land transport (ADR/RID)

HYPOCHLORITE SOLUTION

Sea transport (IMDG)

HYPOCHLORITE SOLUTION

Air transport (ICAO-TI / IATA-DGR)

HYPOCHLORITE SOLUTION

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 8
Classification code : C9
Hazard identification number (Kemler No.) : 80
Tunnel restriction code : E
Special provisions : LQ 5 I · E 1
Hazard label(s) : 8

Sea transport (IMDG)

Class(es) : 8
EmS-No. : F-A / S-B
Special provisions : LQ 5 I · E 1 · IMDG-Code segregation group 8 - Hypochlorites
Hazard label(s) : 8 / N

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 8
Special provisions : E 1
Hazard label(s) : 8

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : No

Sea transport (IMDG) : Yes (P)

Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

None

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

not applicable

14.8 Additional information

The ADR-classification is not applying to our assembled packing (see ADR 3.4. LQ 5 I) => limited Quantity

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SECTION 15: Regulatory information

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

EU legislation

Other regulations (EU)

Labelling for contents according to regulation (EC) No. 648/2004

- contain: >30% chlorine-based bleaching agents
- www.pufas.de, info@pufas.de

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

- out of scope

Regulation (EU) No. 528/2012 on biocides

Labelling of units:

- Aqueous disinfectant (50-100 g/m² area)
- 100g contents: 99,6g Sodium Hypochlorite Solution > 3% - < 5% active chlorine
- Labelling of any advertising material:
- Use biocides safely. Always read the label and product information before use.-

This labelling also applies to products, which don't have to be labeled according CLP regulation (EU/1272/2008).

15.2 Chemical safety assessment

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

15.3 Additional information

None

SECTION 16: Other information

16.1 Indication of changes

02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 03. Hazardous ingredients

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

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

No information available.

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

- | | |
|------|--|
| H290 | May be corrosive to metals. |
| H314 | Causes severe skin burns and eye damage. |
| H400 | Very toxic to aquatic life. |

16.6 Training advice

None

16.7 Additional information

None

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.