

# Safety Data Sheet

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



Trade name : Glutoclean AM  
Mould Remover Spray  
Article number : 0653\_\_074  
Revision date : 23.02.2018  
Version (Revision) : 9.1.0 (9.0.0)  
Print date : 23.02.2018

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

### 1.1 Product identifier

Glutoclean AM  
Mould Remover Spray (0653\_\_074)

### 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)

Glutolin Renovierungsprodukte GmbH

Street : Im Schedetal 1

Postal code/city : 34346 Hann. Münden

Telephone : +49 (0)5541 7003-03

Telefax : +49 (0)5541 7003-50

#### Information contact :

E-Mail (fachkundige Person) : [sds@glutolin.de](mailto:sds@glutolin.de)

Webseite : [www.glutolin.de](http://www.glutolin.de)

### 1.4 Emergency telephone number

+49 (0)5541 7003-41/-64  
Only available during office hours.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

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)

##### Signal word

Danger

##### Hazard components for labelling

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

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### Hazard statements

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

### 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.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
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

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 :  $\geq 0,5 - < 1$  %  
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).

## 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.

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## After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

## 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

No information available.

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

None

## 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 (Cl<sub>2</sub>)

### 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

## 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.

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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

None

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

###### Suitable eye protection

goggles

##### Skin protection

###### Hand protection

By long-term hand contact : rubber gloves. PVC (Polyvinyl chloride)

###### Body protection

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

##### Respiratory protection

###### Suitable respiratory protection apparatus

Usually no personal respirative protection necessary. Wenn technische Absaug- oder Lüftungsmaßnahmen nicht möglich oder unzureichend sind, muss mindestens ein Atemschutzgerät: Kombinationsfilter B-P2, Kennfarbe grau-weiß, getragen werden.

#### 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 <sup>3</sup>
Solvent separation test :	( 20 °C )		not applicable	
Water solubility :	( 20 °C )		soluble	

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**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

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

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

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### 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.

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter : LC50 ( SODIUM HYPOCHLORITE SOLUTION ( > 3% - 5% active chlorine ) ;  
CAS No. : 7681-52-9 )

Effective dose : 0,032 - 10 mg/l

Exposure time : 96 h

Parameter : LC50 ( SODIUM HYPOCHLORITE SOLUTION ( > 3% - 5% active chlorine ) ;  
CAS No. : 7681-52-9 )

Effective dose : 0,032 - 56,4 mg/l

Exposure time : 48 h

Parameter : EC50 ( SODIUM HYPOCHLORITE SOLUTION ( > 3% - 5% active chlorine ) ;  
CAS No. : 7681-52-9 )

Effective dose : 0,04 - 2,3 mg/l

Exposure time : 48 h

##### Acute (short-term) algae toxicity

Parameter : EC50 ( SODIUM HYPOCHLORITE SOLUTION ( > 3% - 5% active chlorine ) ;  
CAS No. : 7681-52-9 )

Effective dose : 46 mg/l

Exposure time : 96 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.

### 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.

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## 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

## 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.glutolin.com](http://www.glutolin.com), [sds@glutolin.de](mailto:sds@glutolin.de)

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

- out of scope

##### Regulation (EU) No. 528/2012 on biocides

Biocidal regulation (528/2012/EC):

- Labelling of units:
  - Aqueous disinfectant (50-100 g/m<sup>2</sup> 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

01. Emergency telephone number · 08. Respiratory protection

#### 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.