

Trade name: CLOSOL

Substance number: SUB302020050000

Version: 3 / EU

Date revised: 06.07.2015

the date of issue: 03.04.07

Replaces Version: 2 / EU

Print date: 22.12.15

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

### **1.1. Product identifier**

**CLOSOL**

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

#### **Use of the substance/preparation**

Sanitary cleanser, For industrial application only.

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

HAGLEITNER HYGIENE International GmbH  
Lunastrasse 5  
A-5700 Zell am See  
Telephone no. +43 (0)5 0456  
Fax no. +43 (0)5 0456 7777  
E-Mail regulatoryaffairs@hagleitner.at  
Information provided Regulatory Affairs  
by / telephone  
E-mail address of regulatoryaffairs@hagleitner.at  
person responsible  
for this SDS

#### **Address/Supplier**

HAGLEITNER HYGIENE International GmbH  
Lunastrasse 5  
AT5700 Zell am See  
Telephone no. +43 (0)5 0456  
Fax no. +43 (0)5 0456 7777  
E-mail address of regulatoryaffairs@hagleitner.at  
person responsible  
for this SDS

### **1.4. Emergency telephone number**

Anti Poison Center Vienna: +43 (0)1 406 43430

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

#### **Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)  
Skin Irrit. 2 H315  
Eye Dam. 1 H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008  
For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

**Hazard pictograms \*\*\***

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**Signal word \*\*\***

Danger

**Hazard statements \*\*\***

H315 Causes skin irritation.  
H318 Causes serious eye damage.

**Precautionary statements \*\*\***

P280 Wear protective gloves/protective clothing/eye protection/face 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.  
P310 Immediately call a POISON CENTER or doctor.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains Sodium hydrogensulphate

For industrial application only.

**2.3. Other hazards**

No special hazards have to be mentioned.

**SECTION 3: Composition/information on ingredients \*\*\*****3.2. Mixtures****Hazardous ingredients (Regulation (EC) No. 1272/2008) \*\*\*****Sodium hydrogensulphate**

CAS No.	7681-38-1			
EINECS no.	231-665-7			
Registration no.	PRE			
Concentration	>=	50		%

Classification (Regulation (EC) No. 1272/2008)  
Eye Dam. 1 H318

**Sulphamidic acid**

CAS No.	5329-14-6			
EINECS no.	226-218-8			
Registration no.	PRE			
Concentration	>=	10	<	25 %

Classification (Regulation (EC) No. 1272/2008)  
Aquatic Chronic 3 H412  
Eye Irrit. 2 H319  
Skin Irrit. 2 H315

**Citric acid, anhydrous**

CAS No.	77-92-9			
EINECS no.	201-069-1			
Concentration	>=	1	<	10 %

Classification (Regulation (EC) No. 1272/2008)

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Eye Irrit. 2

H319

**Ingredients (Regulation (EC) No 648/2004)**constituent:  
perfumes**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated clothing immediately and dispose of safely.

**After inhalation**

Ensure supply of fresh air. No special measures required.

**After skin contact**

In case of contact with skin wash off with warm water. No special measures required.

**After eye contact**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. In case of irritation consult an oculist.

**After ingestion**

Rinse mouth thoroughly with water. If swallowed, seek medical advice immediately and show this container or label.

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

Until now no symptoms known so far.

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / treatment**

Treat symptomatically

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

Compatible with all usual extinguishing media.

**Non suitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

None known

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

In case of combustion use a suitable breathing apparatus.

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

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

**6.2. Environmental precautions**

Do not discharge into the subsoil/soil. Do not discharge into surface waters/groundwater.

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**6.3. Methods and material for containment and cleaning up**

Pick up mechanically. Rinse away rest with water.

**6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8.

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

Keep container tightly closed. Observe the usual precautions for handling chemicals.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**Value  $\geq$  5  $\leq$  25 °C**Storage stability**

Storage life: 3 years

**Requirements for storage rooms and vessels**

Keep only in the original container.

**Further information on storage conditions**

Keep container tightly closed.

**7.3. Specific end use(s)**

For industrial application only.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other information**

There is not known any national exposure limit.

**8.2. Exposure controls****Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

**General protective and hygiene measures**

Avoid prolonged and/or repeated contact with skin. Use barrier skin cream. Do not eat, drink or smoke during work time. Observe the usual precautions for handling chemicals.

**Respiratory protection**

Use breathing apparatus in dust-laden atmosphere.

**Hand protection**

In case of intensive contact wear protective gloves.

Appropriate Material Natural Latex

z.B.: BRILLANT latexCOMFORT, Art.-Nr. 4451000400

Appropriate Material nitrile

z.B.: BRILLANT nitrilX-TREME, Art.-Nr. 4451001000 oder BRILLANT nitrilSTYLE, Art.-Nr. 4451001300

**Eye protection**

Safety glasses

**Body protection**

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Clothing as usual in the chemical industry.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Form</b>	Powder
<b>Colour</b>	yellowish
<b>Odour</b>	Product specific
<b>pH value</b>	
Value	2
Concentration/H <sub>2</sub> O	100 g/l
Temperature	20 °C
Remarks	strongly acidic
<b>Freezing point</b>	
Remarks	Not applicable
<b>Sublimation point</b>	
Remarks	not determined
<b>Initial boiling point and boiling range</b>	
Remarks	Not applicable
<b>Flash point</b>	
Value	> 100 °C
<b>Evaporation rate</b>	
Remarks	not determined
<b>Evaporation rate (ether = 1) :</b>	
Remarks	not determined
<b>Vapour pressure</b>	
Remarks	Not applicable
<b>Vapour density</b>	
Remarks	not determined
<b>Solubility in water</b>	
Remarks	Completely miscible
<b>Partition coefficient: n-octanol/water</b>	
Remarks	not determined
<b>Combustion factor</b>	
Remarks	not determined
<b>Decomposition temperature</b>	
Remarks	No decomposition if used as prescribed.
<b>Viscosity</b>	
Remarks	not determined
<b>Oxidising properties</b>	
evaluation	None known
<b>9.2. Other information</b>	
<b>Bulk density</b>	
Remarks	not determined
<b>Packed bulk density</b>	
Remarks	not determined

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**Solids content**

Remarks not determined

**Saturation Concentration**

Remarks not determined

**Critical point**

Remarks not determined

**Dissociation constant**

Remarks not determined

**Surface tension**

Remarks not determined

**Other information**

None known

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

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

Protect from extreme heat and cold. Protect from atmospheric moisture and water.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

Keep at temperature not exceeding 30 °C.

**Decomposition temperature**

Remarks No decomposition if used as prescribed.

**10.5. Incompatible materials**

No hazardous reactions when stored and handled according to prescribed instructions.

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity (Components)****Sodium hydrogensulphate**

Species	rat	
LD50	> 2000	mg/kg
Source	Literature value	

**Sulphamidic acid**

Species	rat	
LD50	= 3160	mg/kg
Source	Manufacturer's data	

**Citric acid, anhydrous**

Species	rat	
LD50	= 3000	mg/kg
Source	Manufacturer's data	

**Skin corrosion/irritation**

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evaluation

irritant

**Serious eye damage/irritation**

evaluation

irritant - risk of serious damage to eyes

**Sensitization**

evaluation

non-sensitizing

**Subacute, subchronic, chronic toxicity**

Remarks

not determined

**Mutagenicity**

Remarks

not determined

**Reproductive toxicity**

Remarks

not determined

**Carcinogenicity**

Remarks

not determined

**Specific Target Organ Toxicity (STOT)**

Remarks

not determined

**Experience in practice**

Inhalation may lead to irritation of the respiratory tract.

**Other information**

Product specific toxicological data are not known.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity (Components)****Citric acid, anhydrous**

Species

golden orfe (*Leuciscus idus*)

LC50

= 440 to 760 mg/l

Duration of exposure

= 96 h

Source

Manufacturer's data

**Daphnia toxicity (Components)****Citric acid, anhydrous**

Species

Daphnia magna

EC50

= 120 mg/l

Duration of exposure

= 72 h

Source

Manufacturer's data

**Citric acid, anhydrous**

Species

Entosiphon sulcatum

EC5

= 485 mg/l

Duration of exposure

= 72 h

Source

Manufacturer's data

**Algae toxicity (Components)****Citric acid, anhydrous**

IC5

= 640 mg/l

Duration of exposure

= 7 Days

Source

Manufacturer's data

**Citric acid, anhydrous**

Species

Microcystis aeruginosa (blue alge)

IC5

= 80 mg/l

Duration of exposure

= 8 Days

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Source

Manufacturer's data

**Bacteria toxicity (Components)****Citric acid, anhydrous**

Species

Pseudomonas putida

IC5

&gt; 10000

mg/l

Duration of exposure

= 16 h

Source

Manufacturer's data

**12.2. Persistence and degradability****General information**

not determined

**12.3. Bioaccumulative potential****General information**

not determined

**Partition coefficient: n-octanol/water**

Remarks

not determined

**12.4. Mobility in soil****General information**

not determined

**12.5. Results of PBT and vPvB assessment****General information**

not determined

**12.6. Other adverse effects****General information**

not determined

**General information / ecology**

The surfactant(s) contained in this preparation complies(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.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 20 01 29\* detergents containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

**Disposal recommendations for packaging**

Completely emptied packagings can be given for recycling.

**SECTION 14: Transport information****Land transport ADR/RID**

Non-dangerous goods

**14.1. UN number**

UN -



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**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class

-

**14.4. Packing group**

Packing group

-

**Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class

-

**14.4. Packing group**

Packing group

-

**Air transport ICAO/IATA**

The product does not constitute a hazardous substance in air transport.

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class

-

**14.4. Packing group**

Packing group

-

**Information for all modes of transport****14.6. Special precautions for user**

Non-dangerous goods

**Other information****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not determined

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class

WGK 3

(Germany)

Remarks

Classification according to Annex 4 VwVwS

**VOC**

VOC (CH)

= 0,0 %

VOC (EU)

= 0,0 %

**15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

**SECTION 16: Other information**

Alterations/supplements: Alterations to the previous edition are marked with an asterisk (\*) in the left-hand margin.

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**Hazard statements listed in Chapter 3**

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

**CLP categories listed in Chapter 3**

Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Skin Irrit. 2	Skin irritation, Category 2

**Abbreviations**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Civil Aviation Organization  
CAS: Chemical Abstracts Service  
EINECS: European Inventory of Existing Commercial Chemical Substances  
VOC: Volatile Organic Compound  
n.a.g.: nicht anders genannt  
MAK: Maximale Arbeitsplatz-Konzentration  
NOEL: No observable effect level  
NOEC: No observable effect concentration  
LD: Lethal dose  
LC: Lethal concentration  
IMO: International Maritime Organization  
UN: United Nations  
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals  
DMEL: Derived minimal effect level  
DNEL: Derived no effect level  
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses  
IMO: International Maritime Organization  
EC: European Community  
EU: European Union

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

