

CALLIGATOR

Version: 2 / GB

Replaces Version: 1 /
GB

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

1.1. Product identifier

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

Use of the substance/preparation

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address:

Discher Technik GmbH
Fuhr 4-6
D-42781 Haan-Gruiten
Telephone no. +49 2104 2336-0
Fax no. +49 2104 2336-99
www.discher.de

E-mail address of person responsible for this SDS:

info@discher.de

1.4. Emergency telephone number

GBK/ Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Classification (Regulation (EC) No. 1272/2008)
Eye Irrit. 2 H319

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.
EUH208 Contains mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1), May produce an allergic reaction.

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.

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P337+P313

If eye irritation persists: Get medical advice/attention.

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

citric acid

CAS No.	77-92-9
EINECS no.	201-069-1
Registration no.	01-2119457026-42-XXXX
Concentration	>= 10 < 25 %
Classification	Xi, R36

Classification (Regulation (EC) No. 1272/2008)
Eye Irrit. 2 H319

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

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.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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 / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings

Non Suitable extinguishing media

Full water jet

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5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations.

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

Avoid formation of aerosols. Observe the usual precautions for handling chemicals. Keep container tightly closed.

Advice on protection against fire and explosion

The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class according to TRGS 510

Storage class according to TRGS 510 12 Non-combustible liquids

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and

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eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work.

Hand protection

Chemical resistant gloves

Appropriate Material	neoprene
Appropriate Material	butyl rubber
Appropriate Material	nitrile

Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid	
Colour	light yellow	
Odour	characteristic	
Odour threshold		
Remarks	not determined	
pH value		
Value	appr. 2	
Melting point		
Remarks	not determined	
Freezing point		
Remarks	not determined	
Initial boiling point and boiling range		
Remarks	not determined	
Flash point		
Remarks	Not applicable	
Evaporation rate (ether = 1) :		
Remarks	not determined	
Flammability (solid, gas)		
evaluation	not determined	
Upper/lower flammability or explosive limits		
Remarks	not determined	
Vapour pressure		
Remarks	not determined	
Vapour density		
Remarks	not determined	
Density		
Value	1,09	g/cm ³
Solubility in water		
Remarks	not determined	
Solubility(ies)		
Remarks	not determined	
Partition coefficient: n-octanol/water		
Remarks	not determined	

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Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

Viscosity

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

evaluation None known

9.2. Other information

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

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

Reactions with alkalis.

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Remarks not determined

Acute dermal toxicity

Remarks not determined

Acute inhalational toxicity

Remarks not determined

Skin corrosion/irritation

Remarks not determined

Serious eye damage/irritation

evaluation irritant

Sensitization

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Remarks not determined

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

Aspiration hazard

No special hazards have to be mentioned.

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

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

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 18 01 06* chemicals consisting of or containing dangerous substances

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

Marine transport IMDG/GGVSee

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

Air transport ICAO/IATA

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

Information for all modes of transport

14.6. Special precautions for user

See Sections 6 to 8

Other information

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

Not applicable

SECTION 15: Regulatory information

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

Ingredients (Regulation (EC) No 648/2004)

less than 5 %:

polycarboxylates

Further ingredients

preservation agents: mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one [EC-no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC-no. 220-239-6] (3:1)

Water Hazard Class (Germany)

Water Hazard Class WGK 1

(Germany)

Remarks Classification according to Annex 4 VwVwS

VOC

VOC (EU) 0 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

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

SECTION 16: Other information

R-phrases listed in Chapter 3

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Irritating to eyes.

Hazard statements listed in Chapter 3

H319

Causes serious eye irritation.

CLP categories listed in Chapter 3

Eye Irrit. 2

Eye irritation, Category 2

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.