

Trade name: BöttcherPro Calcit
 Product no.: 10809

Version: 2.3.0 / GB

Status: 20.07.2007

1.) Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Trade name

BöttcherPro Calcit

Use of the substance/preparation

hardness adding agent

Company/undertaking identification

Address

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 Stolberger Str. 351-353
 D-50933 Köln

Telephone no. +49 (0) 221 4907-1

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Emergency telephone

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 +49 (0)551 192 40 (Giftinformationszentrum Nord)

Advice on Safety Data Sheet

sdb_info@umco.de

2.) Hazards identification

Classification

R43 May cause sensitisation by skin contact.

Hazard symbols

Xi Irritant

R phrases

43 May cause sensitisation by skin contact.

3.) Composition / information on ingredients

Chemical characterization

Mixture (preparation)

Hazardous ingredients

**Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]
 and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)**

EC no.	-	Index no.	613-167-00-5	CAS no.	55965-84-9
Concentration	< 0,06			%-b.w.	
Classification	T; R23/24/25	C; R34	N; R50/53	R43	
Hazard symbols	T, N	R phrases	23/24/25-34-43-50/53		

4.) First aid measures

General information

In case of persisting adverse effects consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off with water.

Trade name: BöttcherPro Calcit

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After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately. Never give anything by mouth to an unconscious person.

5.) Fire-fighting measures**Suitable extinguishing media**

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

None known

6.) Accidental release measures**Personal precautions**

Refer to protective measures listed in sections 7 and 8.

Environmental precautions

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

Methods for cleaning up/taking up

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Send in suitable containers for recovery or disposal.

7.) Handling and storage**Handling****Advice on safe handling**

Observe the usual precautions for handling chemicals. Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the by the state of the art

Advice on protection against fire and explosion

No special measures necessary.

Storage**Requirements for storage rooms and vessels**

Store product in closed containers. Always keep in containers of same material as the original one.

Advice on storage assembly

Do not store together with:

Acids

Alkalies

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

8.) Exposure controls / personal protection**Exposure limit values**

N O N E

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing

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protection in the event workplace threshold values are not specified. Short term: filter apparatus, Filter A/P

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Eye protection

Safety glasses with side protection shield (EN 166)

Skin protection

Clothing as usual in the chemical industry.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Keep away from foodstuffs and beverages.

9.) Physical and chemical properties

General information

Form	liquid, clear
Colour	colourless
Odour	neutral

Important health, safety and environmental information

Changes in physical state

Type	Boiling point		
Value	appr.	100	°C

Flash point

Remarks	not applicable
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Density

Value	1,03	g/cm ³
Reference temperature	20	°C

Solubility in water

Remarks	miscible
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pH value

Value	7,95
Reference temperature	20 °C

10.) Stability and reactivity

Materials to avoid

Acids; Alkalies

Hazardous decomposition products

No hazardous decomposition products known.

11.) Toxicological information

Experience in practice

Possibility of sensitisation through skin contact.

Other information (chapter 11.)

Product specific toxicological data are not known.

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Relevant R-phrases (chapter 2):

23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
43	May cause sensitisation by skin contact.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing safety data sheet

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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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.