

Trade name: BöttcherFount S-3006

Status: 14.07.2008

Product no.: 10822-3

Version: 2.0.0 / GB

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

Identification of the substance or preparation

Trade name

BöttcherFount S-3006

Use of the substance/preparation

damping solution

Company/undertaking identification

Address

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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

Aqueous preparation

Hazardous ingredients

2-BUTOXYETHANOL

EC no.	203-905-0	Index no.	603-014-00-0	CAS no.	111-76-2
Concentration	> 2,5	< 10	%-b.w.		
Classification	Xn; R20/21/22	Xi; R36/38			
Hazard symbols	Xn	R phrases	20/21/22-36/38		

**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.

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After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off immediately with soap and water.

After eye contact

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

After ingestion

Rinse mouth thoroughly with water. Summon a doctor immediately. Never give anything by mouth to an unconscious person.

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

Alcohol-resistant foam; Carbon dioxide; extinguishing powder; Water spray jet

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

None known

Special protective equipment for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing.

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

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

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). When picked up, treat material as prescribed under heading "Disposal considerations". Clean contaminated surfaces thoroughly with water.

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

Provide good ventilation of working area (local exhaust ventilation, if necessary). 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**

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

Advice on storage assembly

None known

Further information on storage conditions

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

8.) Exposure controls / personal protection

Exposure limit values

2-BUTOXYETHANOL

CAS no. 111-76-2
 EC no. 203-905-0

2000/39/EWG

2-Butoxyethanol

TWA	98	mg/m ³	20	ml/m ³
STEL	246	mg/m ³	50	ml/m ³
Skin resorption / sensibilisation	Skin			

Occupational Exposure Standards (OESs) / EH40

2-Butoxyethanol

TWA	123	mg/m ³	25	ml/m ³
STEL		mg/m ³	50	ml/m ³
Skin resorption / sensibilisation	Sk			

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 protection in the event workplace threshold values are not specified.

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 or drink during work - no smoking. Keep away from foodstuffs and beverages. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream. Avoid contact with eyes and skin. Have eye wash fountain available.

9.) Physical and chemical properties

General information

Form	liquid
Colour	according product name
Odour	characteristic

Important health, safety and environmental information

Changes in physical state

Type	Boiling point		
Value		100	°C

Flash point

Remarks not applicable

Ignition temperature

Value	240	°C
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Explosion limits

Lower explosion limit 0,9 % vol

Vapour pressure

Value 23 hPa

Reference temperature 20 °C

Density

Value 1,0 g/cm³

Solubility in water

Remarks Completely miscible

pH value

Value 4,5

Solvent content

Value 38,9 %

10.) Stability and reactivity

Materials to avoid

None known.

Hazardous decomposition products

No hazardous decomposition products known.

11.) Toxicological information

Acute toxicity

Acute oral toxicity

LD50 470 mg/kg

Species rat

Reference substance 2-butoxyethanol

Acute dermal toxicity

LD50 220 mg/kg

Species rabbit

Reference substance 2-butoxyethanol

Acute inhalational toxicity

LC50 2900 mg/l

Reference substance 2-butoxyethanol

Duration of exposure 4 h

Species rat

Experience in practice

Possibility of sensitisation through skin contact.

Other information (chapter 11.)

Product specific toxicological data are not known.

12.) Ecological information

Ecotoxicity

Fish toxicity

LC50 1490 mg/l

Species Bluegill

Duration of exposure 96 h

Reference substance 2-butoxyethanol

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Daphnia toxicity

LC50		1720	mg/l
Species	Daphnia magna		
Duration of exposure	24	h	
Reference substance	2-butoxyethanol		

Other adverse effects

Do not discharge product unmonitored into the environment.

13.) Disposal considerations

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14.) Transport information

Other information (chapter 14.)

The product is not defined under national/international road, rail, sea and air transport regulations as a hazardous material.

15.) Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC Directive 1999/45/EC.

Hazard symbols

Xi Irritant

Hazardous component(s) to be indicated on label, contains:

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)

R phrases

43 May cause sensitisation by skin contact.

S phrases

23.6 Do not breathe vapour/spray.
 24 Avoid contact with skin.
 37 Wear suitable gloves.
 60 This material and its container must be disposed of as hazardous waste.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

16.) Other information

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.
 Regulation (EC) No 1907/2006 (REACH) as amended in each case.
 EC Directives 2000/39/EC, 2006/15/EC as amended in each case.
 National Threshold Limit Values of the corresponding countries as amended in each case.
 Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
 The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

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Relevant R-phrases (chapter 3):

20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
36/38	Irritating to eyes and skin.
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.