

Trade name: BöttcherPro AR

Status: 05.06.2007

Product no.: 10427-1

Version: 1.3.0 / GB

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

Identification of the substance or preparation

Trade name

BöttcherPro AR

Use of the substance/preparation

Cleaner for press rollers

Company/undertaking identification

Address

Felix Böttcher GmbH & Co. KG
Stolberger Str. 351-353
D-50933 Köln

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

Fax no. +49 (0) 221 4907-444

Emergency telephone

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

Advice on Safety Data Sheet

sdb_info@umco.de

2.) Hazards identification

Classification

Xi; R36 Irritating to eyes.

Hazard symbols

Xi Irritant

R phrases

36 Irritating to eyes.

3.) Composition / information on ingredients

Chemical characterization

Mixture (preparation)

Hazardous ingredients

2-AMINOETHANOL

EC no.	205-483-3	Index no.	603-030-00-8	CAS no.	141-43-5
Concentration	> 1	< 5	%-b.w.		
Classification	C; R34 Xn; R20/21/22				
Hazard symbols	C	R phrases	20/21/22-34		

2-(2-BUTOXYETHOXY)ETHANOL

EC no.	203-961-6	Index no.	603-096-00-8	CAS no.	112-34-5
Concentration	> 10	< 30	%-b.w.		
Classification	Xi; R36				
Hazard symbols	Xi	R phrases	36		

Polypropylene glycol

EC no.	-	Index no.	-	CAS no.	-
Concentration	> 10	< 25	%-b.w.		
Classification	Xn; R22				
Hazard symbols	Xn	R phrases	22		

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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

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

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye treatment by an oculist.

After ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down). Summon a doctor immediately.

5.) **Fire-fighting measures**

Suitable extinguishing media

Foam; extinguishing powder; Water spray jet; Carbon dioxide

Extinguishing media that must not be used for safety reasons

Full water jet

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

In the event of fire, the following can be released:

Carbon dioxide (CO₂)

Carbon monoxide (CO)

Special protective equipment for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Cool endangered containers with water spray jet.

6.) **Accidental release measures**

Personal precautions

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

Environmental precautions

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

Methods for cleaning up/taking up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

7.) **Handling and storage**

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. 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

Keep away from sources of heat and ignition.

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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

Do not store together with:
Oxidizing agents
Acids

Further information on storage conditions

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

8.) Exposure controls / personal protection

Exposure limit values

2-AMINOETHANOL

CAS no. 141-43-5
EC no. 205-483-3

Occupational Exposure Standards (OESs) / EH40

2-Aminoethanol				
TWA	7,6	mg/m ³	3	ml/m ³
STEL	15	mg/m ³	6	ml/m ³

2006/15/EG

2-Aminoethanol				
TWA	2,5	mg/m ³	1	ml/m ³
STEL	7,6	mg/m ³	3	ml/m ³
Skin resorption / sensibilisation	Skin			

2-(2-BUTOXYETHOXY)ETHANOL

CAS no. 112-34-5
EC no. 203-961-6

2006/15/EG

2-(2-Butoxyethoxy)Ethanol				
TWA	67,5	mg/m ³	10	ml/m ³
STEL	101,2	mg/m ³	15	ml/m ³

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. 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.

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General protective and hygiene measures

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

9.) Physical and chemical properties

General information

Form	liquid, clear
Colour	colourless to yellowish
Odour	characteristic

Important health, safety and environmental information

Changes in physical state

Type	Boiling range		
Value	>	100	°C

Flash point

Remarks	not applicable
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Explosion limits

Upper explosion limit	5,9	% vol
Reference substance	Glycol ether	
Lower explosion limit	0,9	% vol
Reference substance	Glycol ether	

Vapour pressure

Value	<	0,10	kPa
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Density

Value	1,02	g/cm ³
Reference temperature	20	°C

Viscosity

Type	dynamic		
Value	5,29	mPa*s	
Method	Höppler		
Reference temperature	20	°C	

Solubility in water

Remarks	soluble
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10.) Stability and reactivity

Materials to avoid

Oxidizing agents; Acids

Hazardous decomposition products

None, if handled according to order

Thermal decomposition

Remarks	No decomposition if used as prescribed.
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11.) Toxicological information

Experience in practice

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.

Eye contact with the product may lead to irritation.

Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness.

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Relevant R-phrases (chapter 2):

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

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.