

Trade name: BöttcherPro Cleanfix

Product no.: 10305

Current version : 3.1.1, issued: 29.03.2012

Replaced version: 3.0.0, issued: 25.01.2011

Region: USA

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

1.1 Product identifier

Trade name

BöttcherPro Cleanfix

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

No data available.

1.3 Details of the supplier of the safety data sheet

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

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone

For medical advice:

3E Company (EH&S Information and Compliance Services)
+1 800-451-8346 or +1 760-602-8703

In case of transport incidents:

CHEMTREC +1 800-424-9300

SECTION 2: Hazards identification

2.1 Immediate hazards

No data available.

2.2 Potential Health Effects

Eye

No hazard in normal industrial use.

Skin

No hazard in normal industrial use.

Inhalation

No hazard in normal industrial use.

Ingestion

No hazard in normal industrial use.

Cancer

None of the components present in this material at concentrations equal or greater than 0.1% is listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

SECTION 3: Composition / information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

2,2',2"-nitrilotriethanol

CAS no.	102-71-6				
Concentration	> 10,00	<	30,00	%-b.w.	

3.3 Other information

While this material is not considered hazardous by definition of OSHA Hazard Communication Standard (29 CFR1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other user of this material.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Change out of contaminated, saturated clothing.

After inhalation

Ensure supply of fresh air.

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After skin contact

When in contact with the skin, clean with soap and water.

After eye contact

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

After ingestion

Do not induce vomiting. Summon a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Extinguishing powder; Carbon dioxide; Foam

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

None known

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe 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.

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. Avoid prolonged and/or repeated contact with skin.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technische Maßnahmen und Lagerungsbedingungen

Keep container tightly closed.

Requirements for storage rooms and vessels

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

Hints on storage assembly

Do not store together with: Oxidizing agents

No data available.

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	2,2',2''-nitrilotriethanol	102-71-6	203-049-8
	ACGIH		
	Triethanolamine		
	TWA	5	mg/m ³

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye / face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Hand protection

Wear appropriate gloves to prevent skin exposure. 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.

Other

Wear appropriate clothing to minimize contact with skin.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Color
Pasty beige
Odor
soap-like
Odor threshold
No data available
pH value
No data available
Boiling point / boiling range
No data available
Melting point / melting range
No data available
Decomposition point / decomposition range
No data available
Flash point
no data available

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Auto-ignition temperature	
No data available	
Oxidising properties	
No data available	
Explosive properties	
No data available	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
No data available	
Upper flammability or explosive limits	
No data available	
Vapor pressure	
No data available	
Vapour density	
No data available	
Evaporation rate	
No data available	
Relative density	
No data available	
Density	
Value	9.51 lbs/gallon
Reference temperature	68 °F
Solubility in water	
Remarks	partially miscible
Solubility(ies)	
No data available	
Partition coefficient: n-octanol/water	
No data available	
Viscosity	
No data available	

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity**
No data available.
- 10.2 Chemical stability**
No data available.
- 10.3 Possibility of hazardous reactions**
No data available.
- 10.4 Conditions to avoid**
None known.
- 10.5 Incompatible materials**
Oxidizing agents
- 10.6 Hazardous decomposition products**
No hazardous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity
No data available
Acute dermal toxicity
No data available
Acute inhalational toxicity
No data available
Skin corrosion/irritation
No data available
Serious eye damage/irritation
No data available
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available
Reproduction toxicity
No data available
Carcinogenicity
No data available
STOT-single exposure
No data available
STOT-repeated exposure
No data available
Aspiration hazard
No data available
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Eye contact with the product may lead to irritation. Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

SECTION 12: Ecological information

12.1 Toxizität

Fish toxicity
No data available
Daphnia toxicity
No data available
Algae toxicity
No data available
Bacteria toxicity
No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Dispose in accordance with federal, state and local regulations.

SECTION 14: Transport information

14.1 US DOT

The product is not subject to DOT regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

Canada: The product is not defined under Transport Dangerous Goods Directorate regulations as a hazardous material.

SECTION 15: Regulatory information

US FEDERAL REGULATIONS

Toxic Substances Control Act (TSCA)

The Material is a mixture as defined by TSCA. The chemical ingredients in this material are in the Section 8(b) Chemical Substances Inventory and/or are otherwise in compliance with TSCA.

Clean Water Act (CWA)

None of the ingredients is listed.

OSHA

This product is not classified as hazardous in accordance with US OSHA Hazard Communication Standard 29 CFR 1910.1200.

SARA Section 302 (RQ):

None of the ingredients is listed.

SARA 311/312

Hazard category: none

SARA Section 313

None of the ingredients is listed.

HAPS Hazardous Air Pollutants

None of the ingredients is listed.

Volatile organic compounds (VOC)

Value	25,1	g/l
VOC-content corresp. to BAAQMD Method 31		

HMIS Classification

Health	1
Flammability	1
Physical Hazard	1
Personal Protection	C

NFPA Rating

Health	1
Flammability	1
Physical Hazard	1
Special	-

CARCINOGENICITY

IARC

None of the ingredients is listed

US STATE REGULATIONS

New Jersey Worker and Community Right to Know Act.

None of the ingredients is listed.

California Proposition 65.

None of the ingredients is listed.

Pennsylvania HAZARDOUS SUBSTANCE LIST

None of the ingredients is listed.

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CANADA FEDERAL REGULATIONS

DSL/NDSL

All components are listed on the DSL or NDSL inventory.

WHMIS Classification

Classification not classified as hazardous

National Pollutant Release Inventory - Appendix 1

None of the ingredients is listed.

National Pollutant Release Inventory - Appendix 2

None of the ingredients is listed.

SECTION 16: Other information

Other information

Abbreviations:

ACGIH American Conference of Governmental Hygienics

CAS Chemical Abstracts Service

DSL Domestic Substance List

HAPS Hazardous Air Pollutants

HMIS Hazardous Material Identification System

IARC International Agency for Research on Cancer

NTP National Toxicology Program

OEL Occupational Exposure Limit

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

PPE Personal Protection Equipment

SARA Superfund Amendments and Reauthorization Act

STEL Short-Term Exposure Level (15 minutes)

TWA Time-Weighted Average (8 hours)

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.