

Trade name: BöttcherPro Calciumfix

Current version : 5.0.0, issued: 08.01.2015

Replaced version: 4.1.0, issued: 09.03.2012

Region: GB

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name

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

Relevant identified uses of the substance or mixture

Decalcifier gel for press rollers

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 number

For medical advice (in German and English):

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

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 3; H412

Eye Dam. 1; H318

Skin Irrit. 2; H315

Classification in accordance with Directive 67/548/EEC or 1999/45/EC

Xi; R38

Xi; R41

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

Hazard pictograms



GHS05

Signal word

Danger

Hazardous component(s) to be indicated on label:

l-(+)-lactic acid

Docusate-sodium

Hazard statements

H315

Causes skin irritation.

H318

Causes serious eye damage.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements

P273

Avoid release to the environment.

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.

P310

Immediately call a POISON CENTER/doctor.

P501

Dispose of contents/container in accordance with local and national regulations.

2.3 Other hazards

No data available.

Trade name: BöttcherPro Calciumfix

Current version : 5.0.0, issued: 08.01.2015

Replaced version: 4.1.0, issued: 09.03.2012

Region: GB

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name			Additional information	
	CAS / EC / Index / REACH no	Classification 67/548/EEC	Classification (EC) 1272/2008 (CLP)	Concentration	
1	L-(+)-lactic acid				
	79-33-4 201-196-2 - -	Xi; R38 Xi; R41	Eye Dam. 1; H318 Skin Irrit. 2; H315	> 30.00 - < 50.00	%-b.w.
2	Docusate-sodium				
	577-11-7 209-406-4 - 01-2119491296-29	Xi; R41 Xi; R38	Eye Dam. 1; H318 Skin Irrit. 2; H315	> 10.00 - < 30.00	%-b.w.
3	(2-METHOXYMETHYLETHOXY)PROPANOL				
	34590-94-8 252-104-2 - 01-2119450011-60	-	-	> 1.00 - < 5.00	%-b.w.
4	bis(2-ethylhexyl) maleate				
	142-16-5 205-524-5 - 01-2119524002-60	N; R51/53 Xn; R48/22	STOT RE 2; H373 Aquatic Chronic 1; H410	> 1.00 - < 5.00	%-b.w.

Full Text for all R-phrases , H-phrases and EUH-phrases: pls. see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

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

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.). Seek medical assistance.

After ingestion

Rinse mouth thoroughly with water. Call 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

Foam; Carbon dioxide; Extinguishing powder; Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

Trade name: BöttcherPro Calciumfix

Current version : 5.0.0, issued: 08.01.2015

Replaced version: 4.1.0, issued: 09.03.2012

Region: GB

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. Avoid contact with skin, eyes and clothing.

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

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 as it is possible 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. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Provide eye wash fountain in work area. Have emergency shower available.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

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

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed 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; Alkalies; Metals

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	(2-METHOXYMETHYLETHOXY)PROPANOL	34590-94-8	252-104-2
	2000/39/EWG		
	(2-Methoxymethylethoxy)-propanol		
	TWA	308	mg/m ³ 50 ml/m ³
	Skin resorption / sensibilisation	Skin	
	List of approved workplace exposure limits (WELs) / EH40		
	(2-Methoxymethylethoxy) propanol		
	TWA	308	mg/m ³ 50 ml/m ³
	Skin resorption / sensibilisation	Sk	

Trade name: BöttcherPro Calciumfix

Current version : 5.0.0, issued: 08.01.2015

Replaced version: 4.1.0, issued: 09.03.2012

Region: GB

DNEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Docosate-sodium			577-11-7 209-406-4	
	dermal	Long term (chronic)	systemic	31.30	mg/kg/day
	inhalative	Long term (chronic)	systemic	44.10	mg/m ³
2	bis(2-ethylhexyl) maleate			142-16-5 205-524-5	
	dermal	Long term (chronic)	local	3.91	mg/kg/day
	dermal	Long term (chronic)	systemic	0.42	mg/kg/day
	inhalative	Long term (chronic)	local	1.95	mg/m ³
	inhalative	Long term (chronic)	systemic	1.95	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Docosate-sodium			577-11-7 209-406-4	
	oral	Long term (chronic)	systemic	18.80	mg/kg/day
	dermal	Long term (chronic)	systemic	18.80	mg/kg/day
	inhalative	Long term (chronic)	systemic	13.00	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	Docosate-sodium		577-11-7 209-406-4	
	water	fresh water	0.0066	mg/l
	water	marine water	0.00066	mg/l
	water	Aqua intermittent	0.066	mg/l
	water	fresh water sediment	0.653	mg/kg
	with reference to: dry weight			
	water	marine water sediment	0.0653	mg/kg
	with reference to: dry weight			
	soil	-	0.138	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	122.00	mg/l
2	bis(2-ethylhexyl) maleate		142-16-5 205-524-5	
	water	fresh water	0.001	mg/l
	water	marine water	0.0001	mg/l
	water	fresh water sediment	15.95	mg/kg
	water	marine water sediment	1.595	mg/kg
	soil	-	3.19	mg/kg
	sewage treatment plant	-	100	mg/l

8.2 Exposure controls

Appropriate engineering controls

No data available.

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

Eye / face protection

Safety glasses with side protection shield (EN 166)

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 gloves 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

Normal chemical work clothing.

Trade name: BöttcherPro Calciumfix

Current version : 5.0.0, issued: 08.01.2015

Replaced version: 4.1.0, issued: 09.03.2012

Region: GB

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour			
pasty			
opaque; colourless			
Odour			
characteristic			
Odour threshold			
No data available			
pH value			
Value	>	2	
Reference temperature		20	°C
Boiling point / boiling range			
Value	>	100	°C
Melting point / melting range			
No data available			
Decomposition point / decomposition range			
No data available			
Flash point			
Value	>	100	°C
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			
Vapour pressure			
Value	<	0.1	kPa
Vapour density			
No data available			
Evaporation rate			
No data available			
Relative density			
No data available			
Density			
Value		1.07	g/cm ³
Reference temperature		20	°C
Solubility in water			
Remarks	miscible		

Trade name: BöttcherPro Calciumfix

Current version : 5.0.0, issued: 08.01.2015

Replaced version: 4.1.0, issued: 09.03.2012

Region: GB

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

Dangerous reactions are not expecting handling the product according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected handling product according to its intended use.

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Oxidizing agents; Alkalies; Metals

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	l-(+)-lactic acid	79-33-4	201-196-2
	LD50	3543	mg/kg bodyweight
	Species	rat	
2	Docosate-sodium	577-11-7	209-406-4
	LD50	> 2100	mg/kg bodyweight
	Species	rat	
	Method	OECD 401	
	Source	ECHA	

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	l-(+)-lactic acid	79-33-4	201-196-2
	LD50	> 2000	mg/kg bodyweight
	Species	rabbit	

Trade name: BöttcherPro Calciumfix

Current version : 5.0.0, issued: 08.01.2015

Replaced version: 4.1.0, issued: 09.03.2012

Region: GB

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
Symptoms related to the physical, chemical and toxicological characteristics
The product can cause skin and eye irritation.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	Docosate-sodium	577-11-7	209-406-4
LC50		49	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	l-(+)-lactic acid	79-33-4	201-196-2
EC50	180	- 320	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
2	Docosate-sodium	577-11-7	209-406-4
EC50		6.6	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EU C.2		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Toxicity to Daphnia (chronic)			
No data available			
Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Docosate-sodium	577-11-7	209-406-4
ErC50		82.5	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Trade name: BöttcherPro Calciumfix

Current version : 5.0.0, issued: 08.01.2015

Replaced version: 4.1.0, issued: 09.03.2012

Region: GB

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	l-(+)-lactic acid	79-33-4	201-196-2
NOEC		320	mg/l
Duration of exposure		4	day(s)
Species		Pseudokirchneriella subcapitata	

Bacteria toxicity	
No data available	

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Docusate-sodium	577-11-7	209-406-4
Type		aerobic biodegradation	
Value		91.2	%
Duration		28	day(s)
Method		OECD 310	
Source		ECHA	
Evaluation		readily biodegradable	

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.	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN 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

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
 According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation
 According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES
 According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents (VOC Directive)

VOC content < 2 %

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.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

- EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.
- Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
- EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU
- 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.

Full text of the R-, H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- H373 May cause damage to organs through prolonged or repeated exposure
- H410 Very toxic to aquatic life with long lasting effects.

Department issuing safety data sheet

UMCO Umwelt Consult GmbH
 Georg-Wilhelm-Str. 183 , D-21107 Hamburg
 Tel.: +49 40 / 79 02 36 300 Fax: +49 40 / 79 02 36 357 e-mail: umco@umco.de

This information is based on our present state of knowledge and experience.
 The security data sheet describes products with a view to the security requirements.
 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.