

\* Detafix-Blotol

Date revised: 06.10.2023

# 8440002202

Version: 7 / GB

Master No. MA-211

Print date: 07.05.2024

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

### **1.1. Product identifier**

**Trade name**

Detafix-Blotol

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

**Use of the substance/mixture**

spotting agent

### **1.3. Details of the supplier of the safety data sheet**

**Address/Manufacturer**

BÜFA Cleaning GmbH &amp; Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no. +49 441 9317 0

Fax no. +49 441 9317 100

Information provided Department product safety / +49 441 9317 108

by / telephone

E-Mail sds-cleaning@buefa.de

### **1.4. Emergency telephone number**

Poison Information Center Goettingen: +49 551 19240

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

**Classification (Regulation (EC) No. 1272/2008)**

Skin Irrit. 2 H315

Eye Dam. 1 H318

\*  
\*  
\*

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

**Labelling according to regulation (EC) No 1272/2008****Hazard pictograms****Signal word**

Danger

**Hazard statements \*\*\***

H315 Causes skin irritation.

H318 Causes serious eye damage.

**Precautionary statements**

P280.2 Wear protective gloves/ eye/ face protection.

\* **Detafix-Blotol**

Date revised: 06.10.2023

# 8440002202

Version: 7 / GB

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P302+P352

IF ON SKIN: Wash with plenty of soap and water.

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 or doctor.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains \*\*\*

docusate sodium; amides, coco, N,N-bis(hydroxyethyl); Isotridecanol, ethoxylated

**2.3. Other hazards**

\*\*\*

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**SECTION 3: Composition/information on ingredients \*\*\*****3.2. Mixtures****Hazardous ingredients \*\*\*****docusate sodium**

CAS No. 577-11-7

EINECS no. 209-406-4

Registration no. 01-2119491296-29-XXXX

Concentration &gt;= 3 &lt; 10 %

Skin Irrit. 2 H315

Eye Dam. 1 H318

**2-(2-butoxyethoxy)ethanol**

CAS No. 112-34-5

EINECS no. 203-961-6

Registration no. 01-2119475104-44-XXXX

Concentration &gt;= 1 &lt; 10 %

Eye Irrit. 2 H319

**Isotridecanol, ethoxylated**

CAS No. 69011-36-5

EINECS no. 931-138-8

Registration no. IRRELEVANT (POLYMER)

Concentration &gt;= 3 &lt; 10 %

Acute Tox. 4 H302

Eye Dam. 1 H318

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319 &gt; 1 &lt; 10 %

Eye Dam. 1 H318 &gt;= 10 %

ATE oral 500 mg/kg

**amides, coco, N,N-bis(hydroxyethyl)**

CAS No. 68603-42-9

EINECS no. 271-657-0

Registration no. 01-2119490100-53-XXXX (EC931-329-6)

Concentration &gt;= 1 &lt; 2,5 %

Skin Irrit. 2 H315

Eye Dam. 1 H318

Aquatic Chronic 2 H411

**Ammonia**

CAS No. 1336-21-6

EINECS no. 215-647-6

\* Detafix-Blotol

Date revised: 06.10.2023

# 8440002202

Version: 7 / GB

Master No. MA-211

Print date: 07.05.2024

Registration no.	01-2119488876-14-XXXX		
Concentration	>=	0,1	< 1 %
Skin Corr. 1B	H314		
Aquatic Acute 1	H400		
STOT SE 3	H335		
Aquatic Chronic 2	H411		

Concentration limits (Regulation (EC) No. 1272/2008)  
 STOT SE 3 H335 >= 5 %

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

#### **After skin contact**

Wash off immediately with soap and water.

#### **After eye contact**

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

#### **After ingestion**

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

### **4.2. Most important symptoms and effects, both acute and delayed**

There is no further relevant information available

### **4.3. Indication of any immediate medical attention and special treatment needed**

There is no further relevant information available

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet

### **5.2. Special hazards arising from the substance or mixture**

If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

### **5.3. Advice for firefighters**

Cool endangered containers with water spray jet.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

### **6.2. Environmental precautions**

Do not allow to enter drains or waterways.

### **6.3. Methods and material for containment and cleaning up**

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

### **6.4. Reference to other sections**

\* Detafix-Blotol

Date revised: 06.10.2023

# 8440002202

Version: 7 / GB

Master No. MA-211

Print date: 07.05.2024

Refer to protective measures listed in Sections 7 and 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Observe the usual precautions for handling chemicals.

### **7.2. Conditions for safe storage, including any incompatibilities**

Emptied containers may contain product residues and therefore must be handled with care. Reuse only after appropriate cleaning. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### **7.3. Specific end use(s)**

No information available

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Exposure limit values**

##### **2-(2-butoxyethoxy)ethanol**

List	EH40			
Type	WEL			
Value	67.5	mg/m <sup>3</sup>	10	ppm(V)
Short term exposure limit	101.2	mg/m <sup>3</sup>	15	ppm(V)

##### **2-(2-butoxyethoxy)ethanol**

List	IOELV			
Type	IOELV			
Value	67,5	mg/m <sup>3</sup>	10	ppm(V)
Short term exposure limit	101,2	mg/m <sup>3</sup>	15	ppm(V)

### **8.2. Exposure controls**

#### **General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Personal protective equipment must comply with the Regulation (EC) No 2016/425 and the resulting CEN standards. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

#### **Respiratory protection**

Not necessary.

#### **Hand protection**

Chemical resistant gloves

Appropriate Material	nitrile		
Material thickness	>=	0,6	mm
Breakthrough time	>	480	min

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### **Eye protection**

Tightly fitting safety glasses

#### **Body protection**

Clothing as usual in the chemical industry.

\* Detafix-Blotol

Date revised: 06.10.2023

# 8440002202

Version: 7 / GB

Master No. MA-211

Print date: 07.05.2024

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	liquid
<b>Colour</b>	colourless
<b>Odour</b>	pungent, odour of Ammonia
<b>Melting point</b>	
Remarks	not determined
<b>Boiling point</b>	
Remarks	not determined
<b>Flammability</b>	
evaluation	not determined
<b>Explosion limits</b>	
Remarks	not determined
<b>Flash point</b>	
Value	> 100 °C
<b>Ignition temperature</b>	
Remarks	not determined
<b>Thermal decomposition</b>	
Remarks	Not relevant
<b>pH value</b>	
Value	10,5 to 11,5
<b>Viscosity</b>	
Value	appr. 13 s
Method	DIN 53211 4 mm
<b>Solubility in other solvents</b>	not determined
<b>Octanol/water partition coefficient (log Pow)</b>	
Remarks	Not relevant
<b>Vapour pressure</b>	
Remarks	not determined
<b>Density</b>	
Value	appr. 1,01 kg/l
<b>Vapour density</b>	
Remarks	not determined
<b>Particle characteristics</b>	
Remarks	irrelevant (liquid)

### **9.2. Other information**

<b>Odour threshold</b>	
Remarks	No data available
<b>Solubility in water</b>	
Remarks	miscible

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

### **10.2. Chemical stability**

\* Detafix-Blotol

Date revised: 06.10.2023

# 8440002202

Version: 7 / GB

Master No. MA-211

Print date: 07.05.2024

The product is stable.

### 10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4. Conditions to avoid

Protect from heat and direct sunlight.

#### Thermal decomposition

Remarks	Not relevant
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### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

ATE	8.961	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	
Based on available data, the classification criteria are not met.		

#### Acute oral toxicity (Components)

##### Isotridecanol, ethoxylated

ATE	500	mg/kg
Source	Estimated value	

#### Acute dermal toxicity

Based on available data, the classification criteria are not met.

#### Acute inhalational toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

evaluation	irritant
The classification criteria are met.	

#### Serious eye damage/irritation

evaluation	corrosive
The classification criteria are met.	

#### Sensitization

Based on available data, the classification criteria are not met.

#### Mutagenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Specific Target Organ Toxicity (STOT)

##### Single exposure

Based on available data, the classification criteria are not met.

##### Repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

### 11.2 Information on other hazards

\* Detafix-Blotol

Date revised: 06.10.2023

# 8440002202

Version: 7 / GB

Master No. MA-211

Print date: 07.05.2024

**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity****2-(2-butoxyethoxy)ethanol**

Reference substance	2-(2-butoxyethoxy)ethanol		
Species	sun perch		
LC50	1300		mg/l
Duration of exposure	96	h	

**Daphnia toxicity****2-(2-butoxyethoxy)ethanol**

Reference substance	2-(2-butoxyethoxy)ethanol		
Species	Daphnia magna		
EC50	> 100		mg/l
Duration of exposure	48	h	
Reference substance	2-(2-butoxyethoxy)ethanol		
Species	Daphnia magna		
NOEC	112		mg/l
Duration of exposure	14	d	

**Algae toxicity****2-(2-butoxyethoxy)ethanol**

Reference substance	2-(2-butoxyethoxy)ethanol		
Species	Desmodesmus subspicatus		
ErC50	> 100		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Bacteria toxicity****2-(2-butoxyethoxy)ethanol**

Reference substance	2-(2-butoxyethoxy)ethanol		
Species	activated sludge		
EC10	> 1995		mg/l
Duration of exposure	30	min	
Source	Literature value		

**12.2. Persistence and degradability**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

**Biodegradability****2-(2-butoxyethoxy)ethanol**

Reference substance	2-(2-butoxyethoxy)ethanol		
Value	89	to	93 %
Duration of test evaluation	28	d	
Method	readily degradable OECD 301 C		

**12.3. Bioaccumulative potential**

For this subsection there is no ecotoxicological data available on the product as such.

**Octanol/water partition coefficient (log Pow)**

Remarks	Not relevant
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**12.4. Mobility in soil**

\* Detafix-Blotol

Date revised: 06.10.2023

# 8440002202

Version: 7 / GB

Master No. MA-211

Print date: 07.05.2024

For this subsection there is no ecotoxicological data available on the product as such.

## 12.5. Results of PBT and vPvB assessment

### Results of PBT and vPvB assessment

The product contains no PBT substances. The product contains no vPvB substances.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## 12.7. Other adverse effects

For this subsection there is no ecotoxicological data available on the product as such.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

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

#### Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.
14.2. UN proper shipping name	-	-
14.3. Transport hazard class(es)	-	-
14.4. Packing group	-	-
Label		
14.5. Environmental hazards	-	-

### Information for all modes of transport

#### 14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Other information

#### 14.7 Maritime transport in bulk according to IMO instruments

Not relevant

## SECTION 15: Regulatory information \*\*\*

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



\* Detafix-Blotol

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# 8440002202

Version: 7 / GB

Master No. MA-211

Print date: 07.05.2024

**mixture****Ingredients (Regulation (EC) No 648/2004)****5 % or over but less than 15 %:**

anionic surfactants, non-ionic surfactants

**VOC \*\*\***

VOC (EU) 0 %

**Other information \*\*\***

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

**15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method

**Hazard statements listed in Chapter 2/3**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

**CLP categories listed in Chapter 2/3**

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

**Abbreviations**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 GGVSee: Gefahrgutverordnung See  
 IMDG: International Maritime Code for Dangerous Goods  
 CAS: Chemical Abstracts Service  
 EAK: Europäischer Abfallkatalog  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 VOC: Volatile Organic Compound  
 GefStoffV: Gefahrstoffverordnung  
 TA Luft: Technische Anleitung zur Reinhaltung der Luft  
 INCI: International Nomenclature of Cosmetic Ingredients  
 n.a.g.: nicht anders genannt  
 MAK: Maximale Arbeitsplatz-Konzentration  
 AGW: Arbeitsplatzgrenzwert  
 BGW: Biologischer Grenzwert  
 TRGS: Technische Regeln für Gefahrstoffe  
 OEL: Occupational exposure limit  
 SUVA: Schweizerische Unfallversicherungsanstalt

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**\* Detafix-Blotol**

Date revised: 06.10.2023

# 8440002202

Version: 7 / GB

Master No. MA-211

Print date: 07.05.2024

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WEL: Workplace exposure limit

MAC: Maximale aanvaarde concentratie (Netherlands)

MEL: Maximum exposure limits

NOEL: No observable effect level

NOEC: No observable effect concentration

LD: Lethal dose

LC: Lethal concentration

LLC: Lowest lethal concentration

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very persistent and very bioaccumulative

SVHC: Substances of very high concern

DNEL: Derived no effect level

DMEL: Derived minimal effect level

PNEC: Predicted no effect concentration

PEC: Predicted environmental concentration

GHS: Globally Harmonized System of classification and Labelling of Chemicals

REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals

UN: United Nations

EG: Europäische Gemeinschaft

EWG: Europäische Wirtschaftsgemeinschaft

EU: European Union

HSNO: Hazardous Substances and New Organisms Act (New Zealand)

ATE: Acute Toxicity Estimate

STOT: Specific Target Organ Toxicity

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

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.