Safety data sheet according to 1907/2006/EC, Article 31

Printing date 19.12.2022

Version number 15 (replaces version 14)

Revision: 19.12.2022

SECTION 1: Identification of the substanc	e/mixture and of the company/undertaking		
· 1.1 Product identifier			
Trade name: Fleckenentferner Blut-Ex			
· UFI: VHN2-K02S-E00X-HD9R · 1.2 Relevant identified uses of the substance or mixture and uses advised against			
No further relevant information available.			
• Application of the substance / the mixture Cleaning material/ Detergent • 1.3 Details of the supplier of the safety data sheet			
· Manufacturer/Supplier:			
Pramol-Chemie AG Industriestrasse 3			
CH-9602 Bazenheid/SG Tel +41 71 931 70 30			
Fax + 41 71 931 44 54			
Further information obtainable from:			
Abteilung für Produktsicherheit info@pramol.com			
Tel. 071 931 70 30 • 1.4 Emergency telephone number:			
Centre suisse d'information toxicologique, Zurich			
+41 (0)44 251 51 51 ou 145 (depuis la Suisse) Schweizerisches Toxikologisches Informationszentrus	n, Zürich		
+41 (0)44 251 51 51 oder aus der Schweiz: Tel 145 Centro Svizzero d'informazione tossicologica			
+41 (0)44 251 51 51 o dalla Svizzera: Tel 145			
SECTION 2: Hazards identification			
• 2.1 Classification of the substance or mixture • Classification according to Regulation (EC) No 127	2/2008		
corrosion			
Eye Dam. 1 H318 Causes serious eye damage.			
\wedge			
Acute Tox. 4 H302 Harmful if swallowed.			
· 2.2 Label elements · Labelling according to Regulation (EC) No 1272/20	08		
The product is classified and labelled according to the			
• Hazard pictograms GHS05, GHS07 • Signal word Danger			
• Hazard statements H302 Harmful if swallowed.			
H318 Causes serious eye damage.			
• <i>Precautionary statements</i> P102 Keep out of reach of children.			
P280 Wear protective gloves/protec	tive clothing/eye protection/face protection/hearing		
	ith water for several minutes. Remove contact lenses, if		
P310 present and easy to do. Continue P310 Immediately call a POISON CEN			
P501 Dispose of contents/container in	accordance with local/regional/national/international		
regulations.			

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Trade name: Fleckenentferner Blut-Ex

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:			
CAS: 9043-30-5	Alcohol C13-iso, ethoxylated 5 EO	25-50%	
	 Eye Dam. 1, H318		
CAS: 9043-30-5	Alcohol C13-iso, ethoxylated 9.5 EO	20-25%	
	📀 Eye Dam. 1, H318; 🚸 Acute Tox. 4, H302		
CAS: 111-76-2	2-butoxyethanol	10%	
EINECS: 203-905-0	♦ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315;		
Reg.nr.: 01-2119475108-36			
	ATE: LD50 oral: 1,200 mg/kg		
CAS: 9014-01-1	Subtilisin	<i>≥</i> 0.1-<1%	
EINECS: 232-752-2	🚸 Resp. Sens. 1, H334; 🚸 Eye Dam. 1, H318; 🕔 Skin Irrit. 2,		
Reg.nr.: 01-2119480434-38	H315; STOT SE 3, H335		
• Additional information: For the wording of the listed hazard phrases refer to section 16.			

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- *After eye contact:* Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- 6.2 Environmental precautions:
- Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special precautions are necessary if used correctly.
- Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Storage class: 10
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

111-76-2 2-butoxyethanol

WEL Short-term value: 246 mg/m³, 50 ppm Long-term value: 123 mg/m³, 25 ppm Sk, BMGV

9014-01-1 Subtilisin

WEL Long-term value: 0.00004 mg/m³ Sen

· Ingredients with biological limit values:

111-76-2 2-butoxyethanol

BMGV 240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid

• Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

- Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes.
- · Respiratory protection: Not required.
- · Hand protection Not required.
- · Material of gloves Rubber gloves
- · Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• *Eye/face protection* Goggles recommended during refilling

SECTION 9: Physical and chemical properties

- •9.1 Information on basic physical and chemical properties
- General Information
- · Colour:

Colourless

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Trade name: Fleckenentferner Blut-Ex

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Trade name: Fleckenentferner Blut-Ex

· Desensitised explosives

Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.

• 10.4 Conditions to avoid No further relevant information available.

- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

• Acute toxicity

Harmful if swallowed.

· LD/LC50 values relevant for classification:

9043-30-5 Alcohol C13-iso, ethoxylated 5 EO

Oral LD50 >2,000 mg/kg (Rat)

Dermal LD50 >2,000 mg/kg (Rabbit)

9043-30-5 Alcohol C13-iso, ethoxylated 9.5 EO

Oral LD50 >300-2,000 mg/kg (Rat) (CESIO recommendation)

Dermal LD50 >2,000 mg/kg (Rabbit)

· Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye damage.

· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- *Reproductive toxicity Based on available data, the classification criteria are not met.*
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-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

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:			
9043-30-5 Alcohol C13-iso, ethoxylated 5 EO			
EC50 (48h)	>1-10 mg/l (Daphnia magna) (OECD 202)		
EC50 (72h)	>1-10 mg/l (Desomdemus subspicatus) (OECD 201)		
NOEC	1.36 mg/l (Daphnia magna)		
LC50 (96h)	>1-10 mg/l (Cyprinus carpio) (OECD 203)		
9043-30-5 Alcohol C13-iso, ethoxylated 9.5 EO			
EC50 (48h)	>1-10 mg/l (Daphnia magna) (OECD 202)		

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Trade name: Fleckenentferner Blut-Ex

EC50(72h) > 1-10 mg/l (Desomdemus su	(Contd. of page
LC50 (72n) > 1-10 mg/l (Desomaemus su $LC50 (96h) > 1-10 mg/l (Cyprinus carpio$	
12.2 Persistence and degradability No fur	
12.2 Fersistence and degradability No fur 12.3 Bioaccumulative potential No furthe	
12.4 Mobility in soil No further relevant in	
12.5 Results of PBT and vPvB assessmen	it in the second s
PBT: Not applicable.	
vPvB: Not applicable. 12.6 Endocrine disrupting properties	
<i>The product does not contain substances</i>	with endocrine disrupting properties
12.7 Other adverse effects	
Additional ecological information:	
General notes:	
	1) (Self-assessment): slightly hazardous for water e quantities of it to reach ground water, water course or sewa
system.	e quantities of it to reach ground water, water course or sewa
5	aration complies(comply) with the biodegradability criteria as la
down in Regulation (EC) No.648/2004 or	n detergents. Data to support this assertion are held at the dispo
	er States and will be made available to them, at their direct requ
or at the request of a detergent manufactu	irer.
SECTION 13: Disposal considera	tions
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GR

Trade name: Fleckenentferner Blut-Ex

· UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Regulation (EC) No 648/2004 on detergents / Labelling for contents	
non-ionic surfactants	≥30%
soap, enzymes, preservation agents (PYRITHIONE SODIUM, BENZISOTHIAZOLINONE)	<5%

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. · Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity - Category 4 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Resp. Sens. 1: Respiratory sensitisation - Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 • * Data compared to the previous version altered.