

SAFTY DATA SHEET

according to Regulation (EC) No. 453/210



eOx[®]

eOx[®] Industrial floor stripper

Product-Code: 2086

Version 2017.1.3 Revision Date 19.04.2021

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

1.1 Product identifier

Produc-Code	2086
Product name	eOx[®] Industrial floor stripper
Trade names	eOx [®] Industrial floor stripper
Relevant identified uses	Professional Cleaning agents
Relevant identified uses of the substance or mixture and dissuade use:	
Relevant identified uses	Concentrated cleaner / degreaser for floors

1.2 Details of the supplier of the safety data sheet

eOx Deutschland	Tel.:+49 (0)2261 910 9125
Wolfgang Müller	Fax:+49 (0)2261 910 9111
Dr.-Ottmar-Kohler-Str. 3	E-Mail: info@eox-deutschland.de
51643 Gummersbach	
GERMANY	www.eox-deutschland.de

1.3 Emergency telephone number

Nederland:

Nationaal Vergiftigingen Informatie

Centrum

Bilthoven

Tel.:+31(0)30/274.88.88

(Restricted to professional rescuers to check with acute poisoning)

Belgien:

Antigifcentrum

Tel.:013 67 06 70

(Restricted to professional rescuers to check with acute poisoning)

SECTION 2: Identification of the risks

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation WARNING Skin Irrit. 2 H315

Causes serious eye damage DANGER Eye dam 1 H318

Full text of risk rates: see Chapter 16

Harmful physico-chemical, health and environmental effects

Causes skin irritation. Causes severe eye damage.

2.2 Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

GHS05



Signal word (CLP)

Danger

Dangerous ingredients

1-heptanol, 2-propyl,7EO; Fattalcohol Ethoxylate(polymer)

Hazard statements (CLP)

H315

Causes skin irritation

H318

Causes serious eye damage

Precautionary statements (CLP)

P264

After working with this product, thoroughly hand, forearm and wash face.

P280

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

P305+P351+P338+P310

WHEN IN CONTACT WITH EYES: rinse gently with water for a few minutes; remove contact lenses if possible; rinse. Immediately consult a doctor, an ANTIDOTE CENTER.

2.3 Other hazards

This substance/mixture does not meet the PBT criteria of reach, Annex XIII

This substance/mixture does not meet the e-SpB criteria of the REACH Regulation, Annex XIII

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Ingredient:	Gew. %	Informatie:	
2-(2-butoxyethoxy)ethanol; Diethylene glycol monobutyther	1-25	CAS No	34/112/5
		EC No	961/203/6
		EU identification No	603-096-00-8
		REACH No	20175104-44
		CLP- classification	Eye Irrit. 2
		H-Sätze	H319
Isotridecaanol, etoxylated	1-10	CAS No	69011-36-5
		EC No	138/931/8
		CLP- classification	Acute tox. 4 (Oral); Eye damm
		H-Sätze	H302, H318
Tetrapotassium pyrophosphate	1-5	CAS Nr.	7320-34-5
		EC No	785/230/7
		CLP- classification	Eye Irrit. 2
		H-Sätze	H319
2-propyl-heptanol, ethoxylated, propoxylized	1-5	CAS Nr.	7320-34-5
		EC No	785/230/7
		CLP- classification	Acute tox. 4 (Oral), Eye damm 1
		Symbol	GHS07
		H-Sätze	H302, H318
C8 Akyglucocid	1	CAS Nr.	414/420/0
		EC No	125590-73-0
		CLP- classification	Eye damm 1
		H-Sätze	H318

Full text of the H-phrases: see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aid general	:Never administer anything to an unconscious person through themouth. If you seek medical advice, keep the packaging or label available. If you feel uncomfortable, consult a poison center or a doctor.
First aid after deminhalation	:Bring the person to the fresh air and make sure they can breathe easily. If you feel uncomfortable, contact an ANTIDO CENTRE/Doctor .
First aid after contact with the skin	:Remove contaminated clothing. Wash the skin with plenty ofwater. In case of skin irritation or rash: consult a doctor.
First aid after contact with the eyes	:Rinse gently with water for a few minutes. Remove contact lenses if possible. Continue to rinse. Immediately consult an ANTI-POISON CENTRE/arts .
First aid after being taken by mouth	:Rinse your mouth. Do not vomit without medicaladvice. If you feel uncomfortable, consult a poison center or a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after contact with the skin	:Irritation.
Symptoms/effects after eye contact	:Severe eye damage.

4.3 Indication of any immediate medical

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing agents

Suitable extinguishing agents	:Atomized water. Dry powder. foam. Carbon dioxide. Sand.
Inappropriate extinguishing agents	:Do not use a strong water jet.

5.2 Special hazards aresult from the substance or mixture

fire	:Does not pose a specific fire or explosion hazard.
Dangerous decomposition products in the event of a fire	:Possible formation of toxic fumes.

5.3 Advice for firefighters

Deletion instructions	:Avoid the penetration of the extinguishing water into the environment.
Protection tijdens fire brigade	:Do not intervene without appropriate safety equipment. Independently operating breathing apparatus. Full protective clothing.

SECTION 6: Measures for the unintentional release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency measures

6.1.1 For persons other than the emergency services

emergency	:Aerate contaminated environment. Avoid contact with the skin and eyes.
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6.1.2 For the emergency services

Protective equipment	:Do not intervene without appropriate safety equipment. For more information, see Section 8: "Exposure Control Measures/Personal Protection".
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6.2 Environmental protection measures

Avoid induction into the environment.

6.3 Containment and cleaning methods and materials

Cleaning methods

:Absorb spill fluid in absorbent.

For more information

:Dispose of waste or solid residues to an approved waste treatment plant.

6.4 Reference to other headings

For more information, see Section 8:

"Exposure Control Measures/Personal Protection". See section 13 on waste disposal after cleaning.

SECTION 7: Handling and storage

7.1 Precautions for the safe handling of the substance or mixture

Precautions for the safe handling of the substance or mixture

:Ensure proper ventilation of the workplace. Avoid contact with the skin and eyes. Wear personal protective equipment.

Hygiene measures

:Wash contaminated clothing before reusing it. Do not eat, drink or smoke while using this product. Always wash your hands after handling this product.

7.2 Conditions for safe storage, including incompatible products

Storage

:Store in a well-ventilated place. Keep cool.

Non-combinable fabrics

:Strong acids.

Heat and ignition sources

:Keep away from heat sources and direct sunlight.

7.3 Specific end-use

No additional information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

2-(2-butoxyethoxy)ethanol; Diethylene glycol monobutylether (112-34-5)		
EU	Local name	2-(2-butoxyethoxy)ethanol
EU	IOELV TWA (mg/m ³)	67.5 mg/m ³
EU	IOELV TWA (ppm)	10 ppm
EU	IOELV STEL (mg/m ³)	101.2 mg/m ³
EU	IOELV STEL (ppm)	15 ppm
EU	Reference requirements	DIRECTIVE 2006/15/EC OF THE COMMISSION
Belgium	Local name	2-(2-butoxyéthoxy)éthanol #2-(2-butoxyethoxy)ethanol
Belgia	Limit value (mg/m ³)	67.5 mg/m ³
Belgium	Limit value (ppm)	10 ppm
Belgium	Short-term value (mg/m ³)	101.2 mg/m ³
Belgium	Short-term value (ppm)	15 ppm
Belgium	Reference requirements	Royal Decree/Arré royal 02/09/2018
Netherlands	Local name	2-(2-butoxyethoxy)ethanol
Netherlands	Limit value TGG 8H (mg/m ³)	50 mg/m ³
Netherlands	Limit value TGG 15MIN (mg/m ³)	100 mg/m ³
Netherlands	Flag (MAC)	H (skin absorption) Substances that can be absorbed relatively easily by the skin, which can make a significant contribution to overall internal exposure, have an H designation in the list. In addition to inhalation measures, appropriate measures should be taken to prevent skin contact with these substances.
Netherlands	Reference for Notebooks	Rules for working conditions 2018

8.2 Exposure controls

Appropriate engineering controls:

Ensure proper ventilation of the workplace.

Personal protective equipment:

spectacles. gloves. Smoulering clothes.

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent).

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves, Disposable gloves	Polyvinyl chloride (PVC), Nitrile rubber (NBR)	6 (> 480 minutes)	≥0.11		EN 374

Eye protection:

Safety glasses. EN 166

Type	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

Skin and body protection:

Wear appropriate protective clothing. CEN: EN 340; EN 369; EN 465. EN 13034

Respiratory protection:

Under normal operating conditions with appropriate ventilation, no special respiratory protection is recommended. If there is insufficient ventilation, use a suitable breathing apparatus. EN 143

Personal protective equipment symbol(s):**Limitation and control of environmental exposure:**

Avoid induction into the environment.

Formore information:

Do not eat, drink or smoke while using this product.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:Liquid
Colour	:brown
smell	:feature
Odour threshold	:No data available
pH	:≈ 11.5 Conc. (% w/w) 20 g/l 20°C
Relative evaporation rate (butylacetate=1)	:No data available
Melting point	:No data available
Freezing point	:0 °C
Boiling point	:No data available
Flash point	:No data available
Auto-ignition temperature	:No data available
Decomposition temperature	:No data available
Flammability (solid, gas)	:No data available
Vapour pressure	:No data available
Relative vapour density at 20 °C	:No data available
Relative density	:1.02 (g/cm ³ at 25 °C)

Solubility	:Water: Fully mixable, soluble
Log Pow	:No data available
Viscosity, kinematic	:No data available
Viscosity, dynamic	:No data available
Explosive properties	:No data available
Oxidising properties	:No data available
Explosive limits	:No data available

9.2 Other information

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is not reactive under normal operating, storage and transport conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possible Dangerous Reactions

Under normal conditions of use, no dangerous reactions are known.

10.4 Circumstances to be avoided

No storage and handling conditions under recommended conditions (see paragraph 7).

10.5 Chemically interacting materials

Strong acids.

10.6 Dangerous Decomposition Products

Under normal storage and use conditions, no hazardous decomposition products are produced.

SECTION 11: Toxicological information

11.1 Acute toxicity:

Acute toxicity (oral)	:unclassified
Acute toxicity (dermal)	:unclassified
Acute toxicity (inhalation)	:unclassified

2-(2-butoxyethoxy)ethanol; Diethylene glycol monobutyether (112-34-5)

LD50 oral	5660 mg/kg body weight
LD50 dermaal	2764 mg/kg body weight
LC50 inhaler edging rat (dust/fog - mg/l/4h)	> 196 mg/l

1-Heptanol, 2-Propyl-, 7EO (160875-66-1)

LD50 oral	> 200 mg/kg body weight
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Skin corrosion/irritation	:Causes skin irritation. pH: ≈ 11.5 conc. (% w/w) 20 g/l 20°C
Severe eye injury/eye irritation	:Causes severe eye damage. pH:0111: ≈ 11.5 conc. (% w/w) 20 g/l 20°C
Respiratory/skin awareness	:unclassified
Mutagenicity in sex cells	:unclassified
Cancer-in-Flight	:unclassified
Reproductive toxicity	:unclassified
STOT at one-time exposure	:unclassified
STOT with repeated exposure	:unclassified
Danger of inhalation	unclassified

SECTION 12: Ecological information**12.1 Toxicity**

Ecology - general	:The product is not considered harmful to aquatic organisms and has no long-term negative effects on the environment.
Acute aquatic toxicity	:unclassified
Chronic aquatic toxicity	:unclassified

2-(2-butoxyethoxy)ethanol; Diethylene glycol monobutyether (112-34-5)	
LC50 Fish 1	1300 mg/l
EC50 other aquatic organisms 1	> 1000 mg/l water bottle
EC50 other aquatic organisms 2	> 100 mg/l
1-Heptanol, 2-Propyl-, 7EO (160875-66-1)	
LC50 Fish 1	> 1 mg/l
EC50 other aquatic organisms 2	> 10 mg/l

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulation

2-(2-butoxyethoxy)ethanol; Diethylene glycol monobutyether (112-34-5)	
Log Pow	0,56

12.4 Mobility in the ground

No additional information available

12.5 Results of the PBT and zPzB evaluation

eOx® Industrial Floorstripper	
This substance/mixture does not meet the PBT criteria of reach, Annex XIII	
This substance/mixture does not meet the zPzB criteria of the REACH Regulation, Annex XIII	

12.6 Other harmful effects

No additional information available

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Recommendations for the disposal of products/packaging	:Safe clean-up in accordance with local/national regulations.
Additional information	:Empty packaging is recycled, reused or disposed of in accordance with local regulations.
Ecology - Waste	:Avoid induction into the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1 UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6 Special precautions for the user

- Land transport	Unregulated
- Transport on the open sea	Unregulated
- Air transport	Unregulated
- Transport on inland waters	Unregulated
- Rail transport	Unregulated

14.7 Mass transport in accordance with Annex II to Marpol and IBC Code

Not applicable

SECTION 15: Regulatory information**15.1 Specific safety, health and environmental legislation and legislation for the substance or mixture****15.1.1 EU rules**

Does not contain substances subject to restrictions under Annex XVII to REACH
Does not contain any substances from the candidate list
Does not contain any repair material contained in Annex XIV of reach

Detergents Ordinance : Labelling of contents:

component	%
anionic surfactants	5-15%

15.1.2 National rules Netherlands

SZW List of carcinogens	:	None of the ingredients are available
SZW List of mutagenic substances	:	None of the ingredients are available
NON-exhaustive list of substances hazardous to reproduction - breastfeeding	:	None of the ingredients are available
NON-exhaustive list of substances hazardous to reproduction - fertility	:	None of the ingredients are available
NON-exhaustive list of substances hazardous to reproduction - Development	:	None of the ingredients are available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information**16.1 Note on changes:**

head	Changed item	change	comments
15.1	SZW List of carcinogens	changed	

16.2 Abbreviations used in this document:

Adn	European Convention on the International Transport of Dangerous Goods by Inland Waterways
Cor	European Convention on the International Carriage of Dangerous Goods by Road
Clp	Regulation on classification, labelling and packaging; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
Imdg	International Code for the Transport of Hazardous Substances by Sea
Pbt	Persistent, bioaccumulative and toxic substance
Achieve	Regulation (EC) No 1907/2006 on registration, evaluation and authorisation and restrictions on chemicals
Lot	Rules on the international transport of dangerous goods
Vib	Safety data sheet
Vpvb	Very persistent and highly bioaccumulative, e.g.

16.3 Integral text of sentences H and EUH:

Acute tox. 4 (Oral)	Acute oral toxicity, Category 4
Augendamm. 1	Serious eye injury/eye irritation, Category 1
Eye Irrit. 2	Severe eye injury/eye irritation, Category 2
Met. Corr. 1	Biting formetals , Category 1
Skin Corr. 1B	Skin corrosion/irritation, category 1B
Skin irritation 2.	Skin corrosion/irritation, category 2
STOT SE 3	Specific target organ toxicity at single exposure, category 3, respiratory irritation
H290	Can bite for metals.
H302	Harmful if swallowed.
H314	Causes severe burns and eye injuries.
H315	Causes skin irritation.
H318	Causes severeeye damage
H319	Causes severeeye irritation.
H335	May cause respiratory irritation.

Classification and procedure for determining the classification of mixtures in accordance with Regulation (EC) 1272/2008 [CLP]:

Skin irritation. 2	H315	Methodology
Augendamm. 1	H318	Methodology

16.4 Information Sources:

Data sources :

Regulation (EC) No 1907/2006 (REACH) with The Additional Regulation (EU) 2016/1179.

information :

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