

eOx Deutschland
Dr.-Ottmar-Kohler-Str. 3
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GERMANY
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SAFETY DATA SHEET

according to Regulation (EC) No. 453/210
Version 2016.3 Revision Date 20.12.2015
Print date 29.09.2016

GENERIC EU MSDS – NO COUNTRY SPECIFIC DATA – NO OEL DATA

1. Identification of the substance or the preparation and of the company.

1.1 Product identification:

Product code :

2999

Product name :

eOx Multiclean

Trade names

eOx Multiclean

Relevant identified uses

Special intensive cleaner for the professional user

Relevant identified uses of the substance or mixture and dissuade use:

Relevant identified uses:

Multifunctional intensive cleaner / degreaser

1.2 Details of the supplier of the safety data sheet

eOx Deutschland
Wolfgang Müller CEO
Dr.-Ottmar-Kohler-Str. 3
51643 Gummersbach
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Tel.: +49 (0)2261 910 91 25
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1.3 Emergency telephone number:

Germany:
Information center against poisonings
University Hospital Bonn

Tel.: +49 (0)228 19 240 and +49 (0)228 287-33211
Fax: +49 (0)228 287-33314
E-Mail: Gizbn@ukb.uni-bonn.de
www.gizbonn.de

Adenauerallee 119
53113 Bonn

Nederland :

Nationaal Vergiftigingen Informatie Centrum - Bilthoven
TEL: +31(0)30/274.88.88 (Restricted to professional rescuers to check with acute poisoning)

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2. Identification of the risks

2.1 Classification of the substance/mixture:

Classification according to Regulation (EG) nr. 1272/2008

Eye Dam. 1 H318

2.2 Label elements

GHS05



Signalword : Danger

Hazard statement

H318 : Causes serious eye damage

PRECAUTIONARY MEASURES

P280 : Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 : IN CASE OF CONTACT WITH THE SKIN: wash with plenty of water and soap.
P305+P351+P338 : IN CASE OF CONTACT WITH THE EYES: rinse cautiously with water for several minutes; Remove contact lenses
P310 : Immediately call a POISON CENTER/doctor/eye-doctor
P501 : Dispose of contents/container to an approved waste disposal plant.

PBT : This substance is not identified as a PBT substance.

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3. Composition and information on ingredients

3.1 Substances

Ingredient:	wt. %	Information :
Sodium hydroxide, solution	< 0,5 %	CAS Nr. 1310-73-2 EINECS 215-185-5 EG annex-Nr. 011-002-00-6 REACH Reg. Nr. 01-2119457892-27 CLP Classification Met. Corr. 1;H290; Skin. Corr. 1A;H314 Icon GHS05 H-phrases H290; H314 Symbol C R-phrases R35
Detergent C9-11 ethoxylate	< 3%	CAS Nr. 68439-46-3 EINECS POLYMER EG annex-Nr. REACH Reg. Nr. CLP Classification Eye. Dam. Cat 1 Icon GHS05 H-phrases H318 Symbol Xi R-phrases R41
Imidazolium compounds, 1-[2-(2-carboxyethoxy)ethyl]-1(or 3)-(2-carboxyethyl)-4,5-dihydro-2-norcoco alkyl, hydroxides, disodium salts	< 2%	CAS Nr. 68604-71-7 EINECS 271-704-5 EG annex-Nr. -- REACH Reg. Nr. 05-2114285325-46 CLP Classification Eye Irrit. 2 Icon GHS07 H-phrases H319 Symbol R-phrases R36

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4. First aid measures.

Contact with the eyes

Look for the presence of contact lenses and remove them. Rinse the eyes with opened eyelid long enough (minimum 15 minutes) with lukewarm water if possible. If irritation persists consult a (eye-) doctor. (Keep on rinsing if possible)

Contact with the skin

In case of contact wash with water and soap.
With large quantities remove contaminated clothing, rinse skin with plenty of water or shower.
Wash garment before using again.

Ingestion

Rinse mouth with water and give two glasses of water to drink. (Never give an unconscious to drink because of risk of choking)
Loosen tight fitting clothes, such as shirt, collar, necktie or belt. If large quantities are swallowed consult a doctor immediately.

Inhaling aerosol or vapour in high concentrations

Bring person in fresh air, keep warm and relaxed. In case of lasting irritation consult a doctor.

5. Fire fighting measures

Suitable extinguishing media

Product is not flammable, all extinguishing media allowed like a.o. CO₂, foam, extinguishing powder, water spray or water spray at larger fires also Jet.

Unusual fire/explosion hazards

Not classified as flammable. In a fire, toxic and corrosive fumes can release.

Protection of fire fighters

In the immediate vicinity of the fire use a self-contained breathing device.

6. measures by the accidental release of the substance or preparation

Personal precautions

Monitor wearing appropriate personal protective equipment during the cleanup of a spill or release of the liquid in large quantities. Safety glasses against splashes, boots, protective clothing and gloves.

Environmental precautions

Avoid release into sewers or drain on surface water or souterrains.

Cleaning Methods

Stop leak if safe to do so. Absorb with dry soil, sand or other non-flammable material. Collect the waste product in suitable containers for waste disposal.

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7. Handling and storage

Handling	The usual precautionary measures when handling chemicals should be respected. Care for an eye wash and safety shower nearby.
Storage	Keep closed packages in a cool and well-ventilated place. Store frost free.
Storage together with other substances	Keep separate from acids

8. Exposure controls/personal protection

Technical measures	Make sure eye washes and safety showers are near the work place
Exposure limit value	No applicable exposure limits were determined
Occupational Hygiene	When you are working do not eat, drink or smoke. Wear personal protective equipment.
Mouth-nose protection	Required on not enough ventilated work areas
Skin and body	Wear suitable protective clothing (overall, preferably thick cotton or disposable protective clothing), gloves and eye/face protection. Chemical-resistant shoes. Take off immediately all contaminated clothing. Store working clothes separate.



Hands



Hand protection:

The glove material must be impermeable and resistant to the product/the substance/ the preparation. Select the glove material taking account of the penetration times, the degrees of permeability and the degrading.

Glove material

The choice of a suitable glove depends on the material, but also on other quality characteristics and differs from manufacturer to manufacturer. As the product consists of several substances, the durability of the glove materials cannot be calculated in advance and therefore requires testing before use. Always ask advice from the glove manufacturer.

Dirty gloves must be replaced. Personal hygiene is an essential precondition to good hand care. Only put on gloves when your hands are clean. Wash and dry your hands carefully after wearing gloves.

Permeation time of the glove material

You can ask the glove manufacturer for the exact penetration time; take this into account. If product may come into contact with hands, assuming a long contact of maximum 15 minutes, gloves of the following materials offer adequate protection

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according to DIN EN 374.

- * butyl rubber (thickness > 0.5 mm)
- * nitrile rubber (thickness > 0.35 mm)
- * polychloroprene rubber (thickness > 0.4 mm)
- * natural rubber (thickness > 0.5 mm)

For continuous contact we recommend gloves with a breakthrough time of at least 240 minutes, with a preference for a breakthrough time of more than 480 minutes.

Protection against splashes

For short contact or splash protection, use the same gloves as for long contact. A shorter breakthrough time may be acceptable provided the gloves are replaced in time.

Recommended: Latex gloves. or Nitrile gloves.

Eyes



Wear full face shield if splashing is possible. Safety glasses and face

shield. Use an eye shower and/or rinse your eye

9. Physical and chemical properties

Physical state	Liquid
Colour	Blue
Odour	Characteristic / Fresh
pH	ca. 11,5
Boiling point	--
Flash Point	--
Upper Limit	--
Lower Limit	--
Vapour Pressure	--
Relative density	± 1,02
Solubility in water	Fully
Viscosity	n.a.
Vapour Density	n.a.
Evaporation Rate	--

10. Stability and reactivity

Stability	Stable
Conditions to avoid	Keep frost-free
Storage together with other substances	Keep separated from acids
Hazardous decomposition products	Not likely at recommended storage and normal industrial use.

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11. Toxicological information

Acute toxicity:

LD₅₀ (oral, rat)

Not determined

The following reviews of health hazards is based on an assessment of the different components of the product

Effects on the eyes

Product can be corrosive to the eyes.
Symptoms: redness, pain, poor vision

Effect on the skin

Product can be corrosive to the skin.
Symptoms: redness, pain

Inhalation

The product may cause irritation to the respiratory organs
Symptoms: Coughing, shortness of breath, sore throat

Ingestion

Symptoms: Burning pain in the mouth, throat, oesophagus and stomach. Abdominal cramps, vomiting, diarrhoea

Chronic toxicity

With repeated and intensive skin contact chance on skin disorders

12. Ecological information

Eco toxicity

Not exactly, at similar products greater than 500 mg/kg

Mobility

No data

Persistence and degradability

Biodegradability is 90% CECD303A > cfm Couple Unit test

Bio accumulative potential

No data

Other harmful data

Do not let product come on the surface water undiluted.

13. Disposal considerations

Waste

Dispose waste and empty packaging in accordance with statutory requirements through an approved disposal.

Eural code for waste processing

For this product a waste code number in accordance with the European waste catalogue cannot be granted, since only the intended user makes classification possible. The waste code number should be assigned in consultation with the local disposal.

Empty packaging

Removal as waste according to local and national prescriptions

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14. Transport information

Classification as ADR material for road transport

UN number None
ADR class No dangerous goods
Proper shipping name
Hazards Identification
Packing Group
ADR label

Classification as ICAO/IATA material for air transport

UN number None
Proper shipping name No dangerous goods
IATA Class
Class
ICA/IATA label

Classification as IMDG material for sea transport

UN number None
Proper shipping name No dangerous goods
Hazards Identification
Packing Group
IMDG label
EmS:
Marine pollutant

15. Regulation

15.1 WGK Class

1: slightly hazardous for water

15.2 Chemical Safety Assessment:

No data.

15.3 regulatory lists searched:

- 01=EU. Directive 76/769/EEC: Restrictions on the marketing and use of certain dangerous substances.
- 02=EU. Directive 90/394/EEC: Carcinogens at work.
- 03=EU. Directive 92/85/EEC: Pregnant or breastfeeding workers
- 04= EU. Directive 96/82/EC (Seveso II) : Article 9
- 05= EU. Directive 96/82/EC (Seveso II) : Articles 6 and 7
- 06= EU. Directive 98/24/EC : Chemical agents at work
- 07= EU. Directive 2004/37/EC : On the protection of workers.
- 08= EU. Regulation EC No. 689/2008 : Annex 1, Part 1.
- 09= EU. Regulation EC No. 689/2008 : Annex 1, Part 2.
- 10= EU. Regulation EC No. 689/2008 : Annex 1, Part 3.
- 11= EU. Regulation EC No. 850/2004 : Prohibiting and restricting persistent organic pollutants (POPs).
- 12= EU. REACH, Annex XVII: Restrictions on manufacture, placing on the market and use of certain dangerous Substances, mixture & article.
- 13= EU. REACH, Annex XIV: Candidate List of Substances of Very High Concern for Authorization (SVHC).

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16. Other information

16.1 List of relevant R- and H- phrases from section 2 and 3 :

H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation

R35	Causes severe burns
R36	Irritating to eyes

R41	Risk of serious damage to eyes
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16.2 Abbreviations used in this document:

Nr. CAS	Number
EINECS	Chemical Abstracts Service
WGK	European Inventory of Existing Commercial chemical Substances
ADR	Water Danger Class
	Accord europeen relative au transport international des marchandises
TLV	Dangereuses par Route
PTB	Threshold Limit Value
CLP	Persistent, toxisch, bioaccumulerend
	Classification, Labeling and Packaging of chemicals

Information Sources:

This information is based on the current available data (producers of raw materials, Chemistry maps, ...)

All information contained in this safety data sheet is to the best of our knowledge and in accordance with the latest knowledge and understanding. Our company cannot guarantee that the information in the safety data sheet is completely accurate and complete. The provision of this safety data sheet from liability to the user of this product may not be able to assess the safety, health and environmental advice for their particular situation and application. It is an obligation for the user to use this product with care and the applicable legal provisions. The information in the safety data sheet shall be held by us in good faith and to our best knowledge and belief.

Explicit or implicit guarantee is not given.

Safety data sheet in accordance with Regulation (EU) nr. 453/2010 of the European Parliament and of the Council of 18 December 2006 on the assessment and authorization and restriction of chemicals (REACH)