

eOx Deutschland
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SAFETY DATA SHEET

according to Regulation (EC) No. 453/210
Version 2016.5 Revision Date 20.04.2021

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 :

2184

Product name :

eOx Economic Universal Cleaner

Trade names

eOx Universal Grundreiniger ECO

Relevant identified uses

Very intensive cleaning product

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

Relevant identified uses:

Cleaning of heavy contamination, product for the professional user

1.2 Details of the supplier of the safety data sheet

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1.3 Emergency telephone number:

Germany:
Information center against poisonings
University Hospital Bonn

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2. Identification of the risks

2.1 Classification of the substance/mixture:

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

Serious eye damage danger category 1 Danger (Eye Dam.1; H318)

Signal words: DANGER

GHS05



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:	Weight %	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
Detergent C9-11 ethoxylate	< 5%	CAS Nr. 68439-46-3 EINECS POLYMER EG annex-Nr. --- REACH Reg. Nr. N/A CLP Classification Eye. Dam. Cat 1 Icon GHS05 H-phrases H318

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

Do not induce vomiting. 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. 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.

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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.

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** Sodium hydroxide : Limit value (BE) : 2 mg/m³ (2011) (M)
(M) The mention "M" means that the exposition above the limit value causes irritation or that there is a danger for acute poisoning. The work procedure has to be designed somehow or other that the exposition doesn't exceed the limit value. During a control, the sample period should be so short as possible to carry out a reliable measurement. The mesure result is then related to the considered period
- DNELs :
- Sodium hydroxide : Consumer, long-term - local effects, inhalation : 1,0 mg/m³
 - Sodium hydroxide : Worker, long-term - local effects, inhalation : 1,0 mg/m²

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PNECs : • Sodium hydroxide : Not applicable
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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



Suitable material for safety gloves (EN 374):
The suitability (break through time, material thickness, ...) for a specific workplace should be discussed with the producers of the protective gloves.
Nitril rubber , PVC , Butyl rubber , Natural rubber : penetration time > 480'
thickness > 0,5 mm
In case of repeated or long-term use do not wear thin disposable gloves

Eyes



Wear full face shield if splashing is possible. Safety glasses and face shield. Use an eye shower and/or rinse your eye

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9. Physical and chemical properties

Appearance

Physical state	Liquid
Colour	Collorless
Odour	Charastic
Odour threshold	Not available
pH	Ca. 11,5

Melting point/freezing point 0°C

Initial boiling point and boiling range 100°C

Flash point [Product does not sustain combustion.]
Not available

Evaporation rate
Not available

Upper/lower flammability or explosive
limits

Flammability (solid, gas) Not available

Vapour pressure Not available

Relative density +/- 1.0

Vapour density Not available

Solubility(ies) Easily soluble in the following materials: cold water and hot water.

Partition coefficient: n-octanol/water Not available

Auto-ignition temperature Not available

Viscosity Not available

Explosive properties Not available

Decomposition temperature Not available

Oxidising properties Not available

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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.

11. Toxicological information

Acute toxicity: LD ₅₀ (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
Respiratory or skin sensitisation	Not sensitive
Carcinogenicity	Not listed as carcinogenic
Mutagenicity	Not listed as mutagenic
Reproductive toxicity	Not listed for reproductive toxicity
Specific target organ toxicity - single exposure	To human : Listed not for organ toxicity
Specific target organ toxicity - repeated exposure For animals : No effects known.	To human : Listed not for organ toxicity

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12. Ecological information

Eco toxicity	Sodium Hydroxide : LC50 (Fish, 96h) : 35-189 mg/l Sodium Hydroxide : EC50 (Daphnia magna, 48h) : 33-450 mg/l
Mobility	Sodium Hydroxide : very soluble in water
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 Non dangerous goods
Proper shipping name
Packing Group
ADR label

Classification as ICAO/IATA material for air transport

UN number None
Proper shipping name Non dangerous goods
IATA Class
Class
ICA/IATA label

Classification as INDG material for sea transport

UN number 1824
Proper shipping name Non dangerous goods
Packing Group
ADR label
EmS:
Marine pollutant

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15. Regulation

15.1 WGK Class

(DE) 1 Weakly water polluting product

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).

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

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

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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)