

eOx Deutschland  
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## SAFETY DATA SHEET

according to Regulation (EC) No. 453/210  
Version 2016.2 Revision Date 04.03.2015

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 :

**2567**

Product name :

**EOX® HDC Heavy Duty Cleaner**

Trade names

eOx® HDC

Relevant identified uses

Special intensive cleaner for heavy pollution like tar etc.

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

Relevant identified uses:

Special cleaning product

#### 1.2 Details of the supplier of the safety data sheet

eOx Deutschland  
Wolfgang Müller CEO  
Dr.-Ottmar-Kohler-Str. 3  
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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](mailto:Gizbn@ukb.uni-bonn.de)

[www.gizbonn.de](http://www.gizbonn.de)

Adenauerallee 119  
53113 Bonn

**Nederland :**

Nationaal Vergiftigen 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

Skin irritation,	danger category 2	Warning	(Skin Irrit. 2; H315)
Skin Sens.	danger category 1B	Danger	(Skin Sens.1B; H317)
Aspiration Hazard	danger category 1	Danger	(Asp. Tox.1; H304)

Signal words: DANGER  
 GHS05-GHS07-GHS08-  
 GHS09



### Hazard statement

H304 : May be fatal if swallowed and enters airways.  
 H317 : May cause an allergic skin reaction.  
 H410 : Very toxic to aquatic life with long lasting effects.

### PRECAUTIONARY MEASURES

P273 : Avoid release to the environment.  
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.  
 P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER/doctor/...  
 P331 : Do NOT induce vomiting.  
 P302 + P352 : IF ON SKIN: Wash with plenty of water and soap  
 P333 + P313 : If skin irritation or rash occurs: Get medical advice/attention.  
 P501 : Dispose of contents/container to ...

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 :
Diethylene glycol monobutyl ether	≤ 15 %	CAS Nr. 112-34-5 EINECS 203-961-6 EG annex-Nr. 603-096-00-8 REACH Reg. Nr. 01-2119475104-44-0000 CLP Classification Eye Irrit 2; H319 Icon GHS07 H-phrases H319 Symbol Xi R-phrases R36
Orange terpenes	≤ 30 %	CAS Nr. 8028-48-6 EINECS 232-433-8 EG annex-Nr. 601-029-00-7 REACH Reg. Nr. 01-2119529223-47-0000 CLP Classification Skin Irrit.2 H315 ;Skin Sens. 1B H317; Asp. Tox.1 H304 Icon GHS07; GHS08;GH09 H-phrases H226H315;H317;H304;H400;H410 Symbol Xi;Xn R-phrases R10-R38-R43-R65
Detergent C9-11 ethoxylate	≥ 10 - ≤ 20	CAS Nr. 68439-46-3 EINECS POLYMER EG annex-Nr. REACH Reg. Nr. CLP Classification Eye. Irrit. Cat 1 Icon GHS05 H-phrases H318 Symbol Xi R-phrases R38-R41

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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

Do not induce vomiting. Rinse mouth with water and give 200-300 ml 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.

### 5. Fire fighting measures

#### Suitable extinguishing media

Product is not flammable, all extinguishing media allowed like a.o. CO<sub>2</sub>, 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	Neoprene or PVA is recommended. Wash your hands at the end of work and before work breaks. 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	Liquid
Physical state	Liquid
Colour	Yellow / Brown
Odour	Charastic
Odour threshold pH	Not available
Melting point/freezing point	Ca. 9,80 °C
Initial boiling point and boiling range	0°C
Flash point	Not Available
Evaporation rate	> 66 °C
Upper/lower flammability or explosive limits	Not available
Flammability (solid, gas) Vapour pressure	Not available
Relative density	+/- 0.95
Vapour density	Not available
Solubility(ies)	Not available
Partition coefficient: n-octanol/water	Easily soluble in the following materials: cold water and hot water.
Auto-ignition temperature	> 200° C
Viscosity	Not available
Explosive properties	Not available
Decomposition temperature	Not available
Oxidising properties	Not available

### 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:

LD<sub>50</sub> (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

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### 12. Ecological information

Eco toxicity	Not exactly, at similar products greater than 800 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 Not regulated  
Proper shipping name  
Hazards Identification  
Packing Group  
ADR label

#### Classification as ICAO/IATA material for air transport

UN number None  
Proper shipping name Not regulated  
IATA Class  
Class  
ICA/IATA label

#### Classification as INDG material for sea transport

UN number None  
Proper shipping name No regulated  
Hazards Identification  
Packing Group  
ADR label  
EmS:  
Marine pollutant

### 15. Regulation

#### 15.1 WGK Class

2; 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 :

H226 Flammable liquid and vapour.	R10 Flammable.
H315 Causes skin irritation.	R36 Irritating to eyes.
H317 May cause an allergic skin reaction.	R38 Irritating to skin.
H318 Causes serious eye damage.	R41 Risk of serious damage to eyes.
H319 Causes serious eye irritation.	R43 May cause sensitisation by skin contact.
H400 Very toxic to aquatic life.	R65 Harmful: may cause lung damage if swallowed
H410 Very toxic to aquatic life with long lasting effects.	

#### 16.2 Abbreviations used in this document:

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

#### 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)

