

eOx Deutschland
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Tel. +49 (0)2261 910 91 25

SAFETY DATA SHEET

according to Regulation (EC) No. 453/210
Version 2016.3 Revision Date 26.08.2015

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 :

2640

Product name :

EOX[®] SANIPOWER / Sanitärreiniger

Trade names

eOx[®] SANIPOWER / Sanitärreiniger

Relevant identified uses

Special intensive concentrated cleaner for sanitary objects

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

Relevant identified uses:

Multifunctional intensive cleaner

1.2 Details of the supplier of the safety data sheet

eOx Deutschland
Wolfgang Müller
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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)

2. Identification of the risks

2.1 Classification of the substance/mixture:

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

Skin Corrosive Category 1 Danger Skin Corr. 1B H314

2.2 Label elements:

Signal words: DANGER



Hazard statement

H314 Causes severe skin burns and eye damage

PRECAUTIONARY MEASURES

General:

If medical advice is needed, have product container or label at hand. Keep out of reach of children.

- P260 Do not breathe dust/fume/gas/mist/vapours/spray
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331 **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting
P303 + P361 + P353 **IF ON SKIN** (or hair): Take off immediately all contaminated clothing.
Rinse skin with water [or shower]
P305+P351+P338 **IN CASE OF CONTACT WITH THE EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or eye-doctor
P501 Dispose of contents/container to an approved waste disposal plant.

Product causes a strong drop of the pH-value of water and soil.

This product is no substance or contains no PBT or vPvB (in accordance with Annex XIII).

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3. Composition and information on ingredients

3.1 Substances

Ingredient:	wt. %	Information :
Phosphoric Acid% Type : 1	< 10 %	CAS Nr. 7664-38-2 EINECS 231-633-2 EG annex-Nr. 015-011-00-6 REACH Reg. Nr. 01-2119485924-24 CLP Classificatie Met. Corr. 1;H290; Skin. Corr. 1B;H314 Pictogram GHS05 H-zinnen H290; H314 Symbool C R-Zinnen R34
Detergent C9-11 ethoxylate	< 5%	CAS Nr. 160875-66-1 EINECS POLYMER EG annex-Nr. REACH Reg. Nr. CLP Classification Eye. Dam. Cat 1 Icon GHS05 H-phrases H318 Symbol Xi R-phrases R38-R41
β-Alanine, N-(2-carboxyethyl)-, N-cocoalkyl derivs., disodium salts, 30%	< 2%	CAS Nr. 90170-43-7 EINECS 290-476-8 EG annex-Nr. -- REACH Reg. Nr. 01-2119976233-35 CLP Classification Eye.Irrit. Cat 2 Icon GHS07 H-phrases H319 Symbol Xi R-phrases R36

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

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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. Chemical burns must be treated promptly by a physician.

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. Contact a doctor if irritation develops.
Wash garment before using again.

Ingestion

DO NOT INDUCE VOMITING Rinse mouth with water and give plenty 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 take patient IMMEDIATELY to the hospital.

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, emergency responders

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 alkaline products

8. Exposure controls/personal protection

Technical measures	Make sure eye washes and safety showers are near the work place
Exposure limit value	Phosphoric acid ...% : Limit value (BE) : 1 mg/m ³ (2011) Phosphoric acid ...% : Short time value (BE) : 2 mg/m ³ (2011) Phosphoric acid ...% : Limit value (TWA 8 h) (NL) : 0,2 ppm (1 mg/m ³) (2007) Phosphoric acid ...% : Limit value (TWA 15 min) (NL) : 0,5 ppm (2 mg/m ³) (2007)
Biological limit values	They will be included when available.
DNELs PNECs	Phosphoric acid ...% : Worker, long-term - local effects, inhalation : 2,92 mg/m ³ Phosphoric acid ...% : Consumer, long-term - local effects, inhalation : 0,73 mg/m ³ Phosphoric acid ...% : Not applicable
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, gloves and eye/face protection. Chemical-resistant shoes. Take off immediately all contaminated clothing. Store working clothes separate.
Hands	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 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



Hands



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time of at least

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240 minutes, with a preference for a breakthrough time of more than 480 minutes.

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

Eyes



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

9. Physical and chemical properties

Appearance	Liquid
Physical state	Red
Colour	Charastic
Odour	Not available
Odour threshold	Ca. 1
pH	0°C
Melting point/freezing point	100°C
Initial boiling point and boiling range	[Product does not sustain combustion.]
Flash point	Not available
Evaporation rate	Not available
Upper/lower flammability or explosive limits	Not available
Flammability (solid, gas)	Not available
Vapour pressure	Not available
Relative density	+/- 1.03
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

10. Stability and reactivity

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

11. Toxicological information

Acute toxicity:

Inhalation

Inhalation can cause pneumonia and/or pulmonary oedema, but only after signs of corrosive effects on the mucous membranes of the eyes and/or the upper respiratory tract.

Symptoms include: Burning feeling , Sore throat , Cough , Shortness of breath , Difficulty in breathing .

Phosphoric acid ...% : LC50 (Rat, inhalation, 1 h) : 0,85 mg/l

Skin contact

Skin contact can damage eczema.

Symptoms include: Redness , Pain , Burning feeling , Blisters .

Phosphoric acid ...% : LD50 (Rabbit, dermal) : 2740 mg/kg

Ingestion

Symptoms include: Nausea , Vomiting , Abdominal pain , Diarrhea .

Phosphoric acid ...% : LD50 (Rat, oral) : 2600 mg/kg (OECD Guideline 423)

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 Mutagenicity

Not listed as carcinogenic .

Reproductive toxicity Specific target

Not listed as mutagenic .

organ toxicity - single

Not listed for reproductive toxicity .

exposure Specific target organ toxicity

To human : Listed not for organ toxicity .

- repeated

For animals : No effects known.

exposure

To human : Listed not for organ toxicity .

For animals : No effects known.

12. Ecological information

Eco toxicity

- Phosphoric acid ...% : LC50 (Fish, 96 h) : 3 - 3,25 mg/l (Lepomis macrochirus)

- Phosphoric acid ...% : EC50 (Algae, 72 h) : >100 mg/l (Desmodesmus subspicatus) (OECD Guideline 201)

- Phosphoric acid ...% : EC50 (Daphnia magna, 48 h) : >100 mg/l (OECD Guideline 202)

- Phosphoric acid ...% : NOEC (Algae, 72 h) : 100 mg/l (Desmodesmus subspicatus) (OECD Guideline 201)

Mobility

Phosphoric acid ...% : Mobility : Highly soluble in water .

Persistence and degradability

Phosphoric acid ...% : Persistence and degradability : Inorganic

Bio accumulative potential

No data

Other harmful data

Do not let product come on the surface water undiluted.

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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

14. Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	UN1760	UN1760	UN1760	UN1760
14.2 UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Phosphoric acid , mixture)	CORROSIVE LIQUID, N.O.S. mixture	CORROSIVE LIQUID, N.O.S. (Phosphoric acid , mixture)	CORROSIVE LIQUID, N.O.S. (Phosphoric acid , mixture)
14.3 Transport hazard class(es)	8 	8 	8 	8 
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	<u>Hazard identification number</u> 80 <u>Limited quantity</u> 5 L <u>Tunnel code</u> (E)	-	<u>Emergency schedules (EmS)</u> F-A, S-B	-

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15. Regulation

15.1 WGK Class

1; slightly dangerous for water (self classification)

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	R34 Causes burns.
H314 Causes severe skin burns and eye damage	R36 Irritating to eyes.
H318 Causes serious eye damage	R38 Irritating to skin.
H319 Causes serious eye irritation	R41 Risk of serious damage to eyes.

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	Treshold 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)