SAFTY DATA SHEET

according to Regulation (EC) No. 453/210

eOx® Wheel Cleaner Profi

Version 2015.2 Revision Date 10.09.2015

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

Product-Code: ***2591***

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

1.1 Product identifier

Produc-Code	**2591**
Product name	**eOx Wheel Cleaner Profi**
Trade names	eOx Wheel Cleaner Profi eOx Wheel Cleaner
Relevant identified uses	Intensive cleaning of car-, truck wheels, covers etc.
Relevant identified uses of the substance or mixture and dissuade use:	
Relevant identified uses	Cleaning of car-, truck wheels

1.2 Details of the supplier of the safety data sheet

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GERMANY

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Fax:+49 (0)2261 910 9111
E-Mail:info@eox-deutschland.de
www.eox-deutschland.de

1.3 Emergency telephone number

Germany:
Information center against poisonings

University Hospital Bonn
Adenauerallee 119
53113 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

Nederland:
Nationaal Vergiftigingen Informatie
Centrum
Bilthoven
(Restricted to professional rescuers to check with acute poisoning)

Tel.:+31(0)30/274.88.88

SECTION 2: Identification of the risks

2.1 Classification of the substance or mixture

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

Skin Corrosive	DANGER	Skin Corr. 1B	H314
Causes serious eye dammage	DANGER	Eye dam 1	H318

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

Hazard pictograms (CLP) GHS05

Signal word (CLP)	Danger
Hazard statements (CLP)	
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
Precautionary statements (CLP)	
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	In case of skin irritation: consult a doctor
P310	Immediately call a POISON CENTER/doctor/ eye doctor
P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Ingredient:	Gew. %	Informatie:	
Sodium hydroxide solution	≤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; Skin. Corr. 1A
		Icon	GHS05
		H-phrases	H290, H314
		Symbol	C
		R-phrases	R35
Detergent C9-11 ethoxylate	< 5%	CAS Nr.	68439-46-3
		EINECS	Polymer
		EG-annex-Nr.	*
		REACH Reg. Nr.	Exempt
		CLP Classification	Eye. Dam. Cat 1
		Icon	GHS05
		H-phrases	H318
		Symbol	Xi
		R-phrases	R38-R41

1-hydroxy-1,1 Ethanediyl ester	< 2%	CAS Nr.	2809-21-4
		EINECS	220-552-8
		EG-annex-Nr.	*
		REACH Reg. Nr.	01-2119510391-53-0000
		CLP Classification	Met. Corr. 1; Acute Tox. 4 (oral); Eye Dam. 1;
		Icon	GHS05
		H-phrases	H290;H302;H318
		Symbol	Xi
		R-phrases	R22- R41

SECTION 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 quantaties are swallowed consult a doctor immediately.
Inhaling aerosol or vapour in highconcentrations	Bring person in fresh air, keep warm and relaxed. In case of lasting irritation consult a doctor.

SECTION 5: Firefighting 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.

SECTION 6: Accidental release measures

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.

SECTION 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

SECTION 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 PNECs : • Sodium hydroxide : 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 (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 trough 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
	

SECTION 9: Physical and chemical properties

Physical state	Liquid
Colour	Yellow
Odour	characteristic.
pH	Ca. 13
Initial boiling point and boiling range	--
Flash point	--
Upper/lower flammability or explosive limits	--
Vapour pressure	--
Relative density	± 1,06
Solubility(ies)	Fully.
Viscosity	n.a.
Vapour density	n.a.
Evaporation Rate	--

SECTION 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.

SECTION 11: Toxicological information

11.1 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
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	To human: Listed not for organ toxicity. For animals: No effects known.

SECTION 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.

SECTION 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

SECTION 14: Transport information

14.1 Classification as ADR material for road transport

UN-Nummer	1824
Proper shipping name	Sodium Hydroxide Solution
ADR class	8, III (E)
Packing Group	II
ADR label	8
	

14.2 Classification as ICAO/IATA material for air transport

UN-Nummer	1824
Proper shipping name	Sodium Hydroxide Solution
IATA Class	8, III
Class	C II CAO 813 PAX 809
ICA/IATA label	8
	

14.3 Classification as INDG material for sea transport

UN-Nummer	1824
Proper shipping name	Sodium Hydroxide Solution
Packing Group	8, III
ADR label	8
EmS:	F-A, S-B
Marine pollutant	No
	

SECTION 15: Regulatory information

15.1 WGK Class

(DE) 1 Weakly water polluting product

15.2 Chemical Safety

No data.

15.3 regulatory lists searched: No additional information available

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 persistant 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).

SECTION 16: Other information

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

H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage.
H332	Harmful if inhaled
H335	May cause respiratory irritation
R22	Harmful if swallowed
R35	Causes severe burns
R38	Irritating to skin
R41	Risk of serious damage to eyes

16.2 Abbreviations used in this document:

Abk.	**Beschreibung der verwendeten Abkürzungen**
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
TLV	Treshold Limit Value
PTB	Persistent, toxisch, bioaccumulerend
CLP	Classification, Labeling and Packaging of chemicals
DGR	Dangereuses par Route

16.3 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)