

# SAFTY DATA SHEET



according to Regulation (EC) No. 453/210

## EOX<sup>®</sup> TGV CLEANER LIQUID

Version 2016.3 Revision Date 29.09.2016

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

*Product-Code: 3673*

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

#### 1.1 Product identifier

|  |   |
|--|---|
| Produc-Code  | <b>3673</b>                               |
| Product name   | <b>EOX<sup>®</sup> TGV CLEANER LIQUID</b> |
| Trade names  | EOX <sup>®</sup> TGV CLEANER LIQUID       |
| Relevant identified uses   | Cleaner for industrial use                |
| Relevant identified uses of the substance or mixture and dissuade use: |   |
| Relevant identified uses   |   |

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

|                          |  |
|--------------------------|--|
| eOx Deutschland          | Tel.:+49 (0)2261 910 9125  |
| Wolfgang Müller          | Fax:+49 (0)2261 910 9111   |
| Dr.-Ottmar-Kohler-Str. 3 | E-Mail: <a href="mailto:info@eox-deutschland.de">info@eox-deutschland.de</a> |
| 51643 Gummersbach        |  |
| Deutschland              | <a href="http://www.eox-deutschland.de">www.eox-deutschland.de</a>           |

#### 1.3 Emergency telephone number

##### Nederland:

##### Nationaal Vergiftigingen Informatie

Centrum

Bilthoven

Tel.:+31(0)30/274.88.88

(Restricted to professional rescuers to check with acute poisoning)

##### Belgien:

##### Antigifcentrum

Tel.:013 67 06 70

(Restricted to professional rescuers to check with acute poisoning)

### 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 damage | DANGER | Eye dam 1     | H318 |

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

Hazard pictograms (CLP)

GHS05

GHS07



Signal word (CLP)

Danger

Hazard statements (CLP)

H314

Causes severe skin burns and eye damage

H318

Causes serious eye damage

Precautionary statements (CLP)

P280

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection

P301+P330+P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P332+P313

In case of skin irritation: consult a doctor

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313

If eye irritation persists get medical advice/attention

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:                              | Weight %      | Information:       |  |
|--|---------------|--------------------|--|
| Sodium hydroxide solution                | > 0,5 - < 2 % | 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                             |
| Disodium dioxido(oxo)silane pentahydrate | < 2%          | CAS Nr.            | 10213-79-3                             |
|  |               | EINECS             | 2299129                                |
|  |               | EG-annex-Nr.       | 600-279-4                              |
|  |               | REACH Reg. Nr.     | 01-2119449811-37                       |
|  |               | CLP Classification | Skin Corr 1B, Met.Corr.1,STOT SE3      |
|  |               | Icon               | GHS05-GHS07                            |
|  |               | H-phrases          | H314-H335-H290                         |
| Detergent C9-11 ethoxylate               | < 5%          | CAS Nr.            | 160901-09-7                            |
|  |               | EINECS             | Polymer                                |
|  |               | EG-annex-Nr.       | *                                      |
|  |               | REACH Reg. Nr.     | Exempt                                 |
|  |               | CLP Classification | Eye. Dam.1, Acute Tox.4                |
|  |               | Icon               | GHS05-GHS07                            |
|  |               | H-phrases          | H302-H318                              |

**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.<br>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)<br>Loosen tight fitting clothes, such as shirt, collar, necktie or belt.<br>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.<br>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. 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.   |

**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.<br>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

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

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): butyl rubber.



## 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**

## Apperance

Liquid

## Physical state

## Colour

Colourless

## Odour

characteristic.

## pH

Ca. 12-13 [ Conc. (% w/w) 20 g/l 20°C

## Melting point / freezing point

0°C

## Initial boiling point and boiling range

100°C

## Flash point

[Product does not sustain combustion.]

## Evaporation rate

No data available

## Upper/lower flammability or explosive limits

No data available

## Flammability (solid, gas)

No data available

## Vapour pressure

No data available

## Relative density

+/- 1.02

## Vapour density

No data available

## Solubility(ies)

Easily soluble in the following materials: cold water and hot water.

## Partition coefficient: n-octanol/water

No data available

## Auto-ignition temperature

No data available

## Viscosity, kinematic

No data available

## Viscosity, dynamic

No data available

## Explosive properties

No data available

## Decomposition temperature

No data available

## Oxidising properties

No data available

**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<br>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  |

**SECTION 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. |

**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, II (E)  |
| Packing Group        | II   |
| ADR label            | <br>8 |

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

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

## 14.3 Classification as INDG material for sea transport

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

**Limited quantity 5L**

**SECTION 15: Regulatory information**

## 15.1 WGK Class

No data.

## 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 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).

**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                    |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage.              |
| H335 | May cause respiratory irritation        |

## 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 Dangereuses par Route |
| 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)