

SAFTY DATA SHEET



according to Regulation (EC) No. 453/210

EOX[®] GLASSCLEAN Concentrate

Version 2016.4 Revision Date 11.03.2016

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

Product-Code: 2272

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

1.1 Product identifier

Produc-Code	2272
Product name	EOX[®] GLASSCLEAN
Trade names	EOX [®] GLASSCLEAN
Relevant identified uses	Special intensive cleaner for glas
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

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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/mixture:

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

Flammable liquids – Category 2 – Danger – Flam. Liq. 2;H225
Eye irritation – Category 2 – Warning – Eye Irrit 2;H319
Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 –
Warning (STOT SE 3; H336)

2.2. Label elements

Label in accordance with Regulation (EC) No 1272/2008

Dangerous ingredients : Isopropyl alcohol



SIGNALWORD : DANGER

HAZARD STATEMENTS:

H225 Highly flammable liquid and vapour
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

PRECAUTIONARY MEASURES

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor/...if you feel unwell.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P403 + P235 Store in a well-ventilated place. Keep cool.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Ingredient:	wt. %	Information :
Propan-2-ol	< 10-15 %	CAS Nr. 67-63-0 EINECS 200-661-7 EG annex-Nr. 603-117-00-0 REACH Reg. Nr. 01-2119457558-25 CLP Classification Flam.Liq.2, Eye Irrit. 2, STOT SE3 Icon GHS05 – GHS07 H-phrases H225, H319, H336 Symbol Xi R-phrases R11-R36-67
Detergent C9-11 ethoxylate	< 2%	CAS Nr. 68439-46-3 EINECS POLYMER EG annex-Nr. REACH Reg. Nr. CLP Classification Eye. Dam. Cat 1 Icon GHS05 H-phrases H318 Symbol Xi R-phrases R41
2-Butoxyethanol	< 10-15 %	CAS Nr. 111-76-2 EINECS 203-905-0 EG annex-Nr. 603-014-00-0 REACH Reg. Nr. 01-2119475108-36 CLP Classification Acute Tox.4 oraal, Acute Tox.4 dermaal, Skin Irrit.2 , Eye Irrit.2 Acute Tox.4 (inhal) Icon GHS07 H-phrases H302, H312, H315, H319, H332 Symbol Xn, Xi R-phrases R20/21/22-R36/38

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 quantities are swallowed 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.

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	Oxidizing agents , Strong acids , Chlorine-containing compounds Aldehydes , Alkanolamines , Alkali- and earthalkali-metals .

SECTION 8: Exposure controls/personal protection**Technical measures**

Make sure eye washes and safety showers are near the work place

Occupational Exposure Limits

- : Isopropyl alcohol : Limit value (BE) : 200 ppm (500 mg/m³) (2014)
- Isopropyl alcohol : Short time value (BE) : 400 ppm (1000 mg/m³) (2014)

Biological limit values

- : • Isopropyl alcohol : Biological limit values : 40 mg/l (Acetone in urine) (2008) (ACGIH)

DNELs

- : • Isopropyl alcohol : Worker, long-term - systemic effects, inhalation : 500 mg/m³
- Isopropyl alcohol : Worker, long-term - systemic effects, dermal : 888 mg/kg bw/ day
- Isopropyl alcohol : Consumer, long-term - systemic effects, inhalation : 89 mg/m³
- Isopropyl alcohol : Consumer, long-term - systemic effects, dermal : 319 mg/kg bw/ day
- Isopropyl alcohol : Consumer, long-term - systemic effects, oral : 26 mg/kg

PNECs

- : • Isopropyl alcohol : Fresh water : 140,9 mg/l
- Isopropyl alcohol : Marine water : 140,9 mg/l
- Isopropyl alcohol : Intermittent release : 140,9 mg/l
- Isopropyl alcohol : Fresh water sediment : 552 mg/kg
- Isopropyl alcohol : Marine water sediment : 552 mg/kg
- Isopropyl alcohol : Soil : 28 mg/kg
- Isopropyl alcohol : Sewage treatment plant : 2251 mg/l

Occupational Hygiene

Ventilation, local exhaust (Trough the floor)

CE-approved mask for organic vapours and solvents (type A, brown).

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 Suitable material for safety gloves (EN 374):
The suitability of the gloves and the breakthrough time for a specific workplace should be discussed with the producers of the protective gloves.

- material : Nitril rubber
- thickness : 0,35 mm
- breakthrough time : > 480'

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

Appearance	
Physical state	Liquid
Colour	Blue
Odour	characteristic.
Odour threshold	No data available
pH	Ca. 7 [Conc. (% w/w) 20 g/l 20°C
Melting point / freezing point	0°C
Initial boiling point and boiling range	No data available
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	+/- 0,97
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
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	<ul style="list-style-type: none">• Isopropyl alcohol : LC50 (Fish, 96 h) : 9640 mg/l (Pimephales promelas) (OECD Guideline 203)• Isopropyl alcohol : EC50 (Daphnia magna, 24 h) : 9714 mg/l (OECD Guideline 202)• Isopropyl alcohol : LOEC (Algae, 8d) : 1000 mg/l
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	1993
Proper shipping name	FLAMMABLE LIQUID, N.E.G. (Contains isopropanol/2-Butoxyethanol), 3, III
ADR class	3, III (E)
Packing Group	III
ADR label	
Hazards Identification	30

14.2 Classification as ICAO/IATA material for air transport

UN-Nummer	1993
Proper shipping name	FLAMMABLE LIQUID, N.E.G. (Contains isopropanol/2-Butoxyethanol), 3, III
IATA Class	3/III CAO 220 PAX 355
Class	III
ICA/IATA label	

14.3 Classification as INDG material for sea transport

UN-Nummer	1993
Proper shipping name	FLAMMABLE LIQUID, N.E.G. (Contains isopropanol/2-Butoxyethanol), 3, III
Hazards Identification	30
Packing Group	III
ADR label	
EmS:	F-E S-E
Marine pollutant	No

SECTION 15: Regulatory information**15.1 WGK Class**

1; slightly hazardous for water

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**

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage.
H319	Causes serious eye irritation
H332	Harmful is inhaled
H336	May cause drowsiness or dizziness
R35	Causes severe burns
R36/38	Irritating to eyes and skin
R41	Risk of serious damage to eyes
R67	Vapour may cause drowsiness and dizziness

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

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)