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SAFETY DATA SHEET

according to Regulation (EC) No. 453/210
Version 2015.1 Revision Date 11.03.2015
Print date 04.06.2015

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 :

3539

Product name :

EOX[®] AHFR

Trade names

eOx[®] AHFR " Aircraft Hydraulic Fluid Remover"
35391A4 eOx[®] Aircraft Hydraulic Fluid Remover

Relevant identified uses

Special intensive cleaner based on natural esters

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

Relevant identified uses:

Cleaning of hydraulic fluidremover from Aircraft and Helicopter.

1.2 Details of the supplier of the safety data sheet

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Wolfgang Müller CEO
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1.3 Emergency telephone number:

Germany:

Information center against poisonings

University Hospital Bonn

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Fax: +49 (0)228 287-33314

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2. Identification of the risks

2.1 Classification of the substance/mixture:

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

Not classified as dangerous according to EU regulatory guidelines

2.1 Labeling elements

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

Under the criteria of Directive 1999/45/EC (Dangerous goods)
 Not classified

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

3. Composition and information on ingredients

3.1 Substances

3.2 Mixtures

This material is a mixture

Ingredient:	Weight %	Information :
2-Ethylhexyllauraat	≤ 35 %	CAS Nr. 20292-08-4 EINECS 243-697-7 EG annex-Nr. -- REACH Reg. Nr. Exempt CLP Classification Not classified Icon None H-phrases None Symbol None R-phrases --
Propane-1,2-diol	≤ 3 %	CAS Nr. 57-55-6 EINECS 200-338-0 EG annex-Nr. -- REACH Reg. Nr. 01-2119456809-23 CLP Classification Not classified Icon None H-phrases None Symbol None R-phrases --

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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 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	CO2, foam, extinguishing powder, at larger fires also water spray.
Unusual fire/explosion hazards	In a fire, toxic and corrosive fumes can release. Not suitable direct water jets
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. Not in direct sun light
Storage together with other substances	--

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

Physical state	Liquid
Colour	Colourless
Odour	Characteristic
pH	> 6 - < 8
Boiling point	--
Flash Point	--
Upper Limit	--
Lower Limit	--
Vapour Pressure	--
Relative density	± 0,87
Solubility in water	n.a.
Viscosity	n.a.
Vapour Density	n.a.
Self-ignition temperature	> 100°C

10. Stability and reactivity

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

11. Toxicological information

Acute toxicity: LD ₅₀ (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 is possible. Safety glasses and face shield. Use an eye shower and/or rinse your eye

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12. Ecological information

Eco toxicity	Toxic for water organism 1000 mg/L LC50 96h.(trout)
Mobility	No data
Persistence and degradability	No data
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

14. Transport information**Classification as ADR material for road transport**

UN number	None
ADR class	Non dangerous goods
Proper shipping name	
Hazards Identification	
Packing Group	
ADR label	

Classification as ICAO/IATA material for air transport

UN number	None
Proper shipping name	Non dangerous goods
IATA Class	
Class	
ICA/IATA label	

Classification as INDG material for sea transport

UN number	None
Proper shipping name	Non dangerous goods
Hazards Identification	
Packing Group	
ADR label	
EmS:	
Marine pollutant	

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15. Regulation**15.1 WGK Class**

1. in general not 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).

16. Other information**16.1 List of relevant R- and H- phrases from section 2 and 3 :****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

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)