

Safety Data Sheet in Accordance with regulation 2015/830

Page 1 of 6

Date of issue: 24.10.2018 Replaces Data Sheet of: 29.08.2014
 "" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

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

- 1.1 **Product identifier**
Trade Name: EWO Druckluft Spezial-Öl
Article No.: n.av.
Preparation No.: n.av.
Registration No.: n.ap.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Identified uses: hydraulic oil
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
 Armaturen- und Autogengerätefabrik ewo H. Holzapfel GmbH & Co. KG, Heßbrühlstraße 45-47,
 70565 Stuttgart, Germany, Telephone: +49 (0)711 7813-0, Telefax: +49 (0)711 7813-100, E-Mail: info@ewo.de
- 1.3.2 **Responsible for the data sheet:**
 Armaturen- und Autogengerätefabrik ewo H. Holzapfel GmbH & Co. KG
- 1.4
 Heßbrühlstraße 45-47, 70565 Stuttgart, Germany
Counseling center for symptoms of intoxication
 Telephone: +490761 19240 (Deutschland) - Poisoning Information Center Freiburg
 Availability: 24h

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
Classification and labelling according to Directive 1272/2008/EC:
 None.
- 2.2 **Label elements**
 Classification according to 1272/2008/EC: No.
 Applicable Exemptions:
 Signal word(s): n.ap. Hazard pictogram(s):
 Component(s):
- H - Phrases:**
- P - Phrases:**
 P102: Keep out of reach of children.
 P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P315: Get immediate medical advice/attention.
 * P501: Dispose of contents/container to special waste collection point.
- Although this product is not subject to classification, we recommend compliance with safety recommendations.
- Additional Markings: EUH210: Safety data sheet available on request.
- The above mentioned labelling is valid for distribution to private consumer.
- 2.3 **Other hazards**
 Inhalation of vapours in high concentration may cause irritation of respiratory system.
 Solvents may degrease the skin.
 May cause long-term adverse effects in the aquatic environment.
 This mixture contains no substances which are assessed to be PBT or vPvB.

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SECTION 3: Composition/information on ingredients**3.1 Substances**

n.ap.

3.2 Mixtures**Chemical Characterisation:**

Mixture mineral oil based

Dangerous Ingredients:

Material	CAS - No.	Index - No.	EC - No.	REACH - No.	m% - range
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	n.av.	272-028-3	n.av.	0,1 - 1%
Skin Irrit. 2; H315 / Eye Dam. 1; H318 / Aquatic Chronic 2; H411 / EUH031					

Text of H - phrases: see section 16

m% - range: $x - y \triangleq x \geq - < y$ **SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

If symptoms persist, call a physician.

4.1.2 Skin Contact:

Wash off with warm water and soap.

4.1.3 Eye Contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

4.1.4 Ingestion:

Do not induce vomiting. Rinse mouth.

Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Risk of product entering the lungs on vomiting after ingestion.

Aspiration may cause pulmonary oedema and pneumonitis.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO₂, water spray or "alcohol" foam.**5.1.2 Extinguishing Media to Avoid:**

High volume water jet.

5.2 Special hazards arising from the substance or mixtureIn the event of fire the following can be released: Carbon oxides sulphur oxides nitrogen oxides (NO_x)**5.3 Advice for firefighters****5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
See chapter 8.2.2
Contaminated surfaces will be extremely slippery.
- 6.2 **Environmental precautions**
Do not flush into surface water or sanitary sewer system.
Do not allow material to contaminate ground water system.
Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Soak up with oil absorbent material. Shovel into suitable container for disposal.
- 6.4 **Reference to other sections**
None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling:**
Avoid contact with skin and eyes.
Remove and wash contaminated clothing before re-use.
When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Do not port contaminated cleaning rags in pockets.
Contaminated equipment (brushes, rags) must be cleaned immediately with water.
Do not breathe vapours or spray mist.
- *
7.1.2 **Precautions in Case of Fire and Explosion:**
Normal measures for preventive fire protection. Do not smoke.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**
Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container.
Keep away from heat. Keep away from direct sunlight.
- 7.2.2 **Store away from:**
Incompatible with oxidizing agents.
- 7.2.3 **Further Information on Storage Conditions:**
Avoid subsoil penetration.
- 7.3 **Specific end use(s)**
n.av.

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SECTION 8: Exposure controls/personal protection

8.1	Control parameters	
	Material	Limit Value
8.2	Exposure controls	
8.2.1	Appropriate engineering controls	
	Ensure adequate ventilation.	
8.2.2	Individual protection measures	
8.2.2a	Respiratory Protection:	Breathing apparatus needed only when aerosol or mist is formed. Recommended filter type: A2, A2P2, ABEK
8.2.2b	Hand Protection:	Use protective skin cream before handling the product. Protective gloves complying with EN 374 (nitrile rubber, Neoprene).
*		The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
8.2.2c	Eye Protection:	In case of contact through splashing: safety glasses
8.2.2d	Skin Protection:	n.av.
8.2.2e	Further Information:	Observe wearing time limits:
8.2.3	Environmental exposure controls:	
	Do not allow material to contaminate ground water system.	
	Do not flush into surface water or sanitary sewer system.	

SECTION 9: Physical and chemical properties

9.1	Information on basic physical and chemical properties		
9.1.1	Form: liquid	Colour: yellow - light brown	Odour: characteristic
			Odour n.av. threshold:
9.1.2	pH-value, undiluted:	n.av.	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	n.av., Melting point / Melting range (°C): n.av.	
9.1.4	Flash point (°C):	> 110, closed cup	
9.1.5	Flammability (EEC A10/A13):	n.av.	
9.1.6	Ignition temperature (°C):	n.av.	
9.1.7	Autoflammability (EEC A16):	None.	
9.1.8	Oxidising properties:	None.	
9.1.9	Explosion hazard:	None.	
9.1.10	Explosion limits (Vol.%) lower:	n.av., upper: n.av.	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	0,87 (15°C)	
9.1.13	Solubility (in Water):	practically insoluble	Soluble in: organic solvents
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	~ 32 mm ² / s (40°C)	
9.1.16	Solvent content (m %):	Not relevant	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

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SECTION 10: Stability and reactivity

- 10.1 **Reactivity**
None.
- 10.2 **Chemical stability**
Stable under normal conditions.
- 10.3 **Possibility of hazardous reactions**
No dangerous reaction known under conditions of normal use.
- 10.4 **Conditions to avoid**
Protect from frost, heat and sunlight.
- 10.5 **Incompatible materials**
Incompatible with oxidizing agents.
- 10.6 **Hazardous decomposition products**
No decomposition if stored and applied as directed.
To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information

- 11.1 **Information on toxicological effects**
- Acute Health Effects:
- | | |
|------------------------------------|--------|
| Inhalation: | n.av. |
| Ingestion: | n.av. |
| Skin Contact: | n.av. |
| Skin corrosion / irritation: | Slight |
| Serious eye damage / irritation: | Slight |
| Respiratory or skin sensitisation: | None. |
| Germ cell mutagenicity: | n.av. |
| Carcinogenicity: | n.av. |
| Reproductive toxicity: | n.av. |
| STOT-single exposure: | n.av. |
| STOT-repeated exposure: | n.av. |
| Aspiration hazard: | n.av. |
- 11.1.1 – **Practical Experience**
- 11.1.11 n.av.
- 11.1.12 **Practical Experience**
- Observations relevant for classification:
None.
- Further Observations:
Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information

- 12.1 **Toxicity**
We have no quantitative data concerning the ecological effects of this product.
- 12.2 **Persistence and degradability**
Not readily biodegradable. Inherently biodegradable.
The product is slightly soluble in water. It can be eliminated from water by abiotic processes.
- 12.3 **Bioaccumulative potential**
n.av.
- 12.4 **Mobility in soil**
n.av.
- 12.5 **Results of PBT and vPvB assessment**
This mixture contains no substances which are assessed to be PBT or vPvB.
- 12.6 **Other adverse effects**
- | | |
|--------------------------------|-----------------|
| 12.6.1 COD-Value, mg/g: | n.av. |
| 12.6.2 BOD5-Value, mg/g: | n.av. |
| 12.6.3 AOX-Remarks: | Not applicable. |
| 12.6.4 Significant Components: | Hydrocarbons |
| 12.6.5 Other adverse effects: | Not applicable. |

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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

13.1.1 Recommendation:

Waste - Code - No.: 13 01 10

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

13.2.2 Safe Handling: As described under Residues.

SECTION 14: Transport information

	ADR	IMDG	IATA
	Not a dangerous substance as defined in the above regulations.		
14.1	UN number		
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		
14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
	Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger) Packing Instructions (Cargo)
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

SECTION 15: Regulatory information15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**

n.av.

15.2 **Chemical safety assessment :**

n.ap.

SECTION 16: Other information**Text of H phases mentioned in Section 3**

EUH031: Contact with acids liberates toxic gas.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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