

Date of issue : 01.10.2012 Replaces Data Sheet of : ---

"\*" 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 :** SCHÜLER EWO DRUCKLUFT SPEZIAL ÖL  
**Article No. :** n.av.  
**Preparation No. :** n.av.  
**Registration No. :** n.av.
- 1.2 **Relevant identified uses of the substance or mixture**  
 Hydraulic oils
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier :**  
 Willi Schüler GmbH Mineralöle Techn. Großhandel, Alemannenstr. 4-6, D- 79285 Ebringen  
 Telephone : +49 – 7664-9717-0, Telefax : +49 – 7664-9717-17, E-Mail : info@oelschueler.de
- 1.3.2 **Responsible :**  
 Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf; E-Mail: info@chemie-vorschrift.de
- 1.4 **Emergency telephone number**  
 Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning  
 Telephone : +49 – 7664-9717-0 (08:30 - 16:30) Telephone : +49 - 761 - 19 240

**SECTION 2: Hazards identification**

- 2.1 **Classification of the substance or mixture**  
 None.
- 2.2 **Label elements**  
 Classification according to EEC - Regulations : No.  
 Applicable Exemptions :  
 Hazard Identification : None. Hazard Symbol(s) :  
 Component(s) :  
  
**R - Phrases :**  
  
**S - Phrases :**  
 S 2 - Keep out of the reach of children.  
 S 62 - If swallowed, do not induce vomiting:  
 seek medical advice immediately and show this container or label.  
  
 Additional Markings :  
 Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.  
  
 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.

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

- 3.1 **Substances**  
**Chemical Characterisation :**  
 Petroleum products
  - 3.2 **Mixtures**  
**Dangerous Ingredients :**
- | CAS - No.  | Index - No. | EEC - No. | Material  | m% - range | Symbol                  | R - phrases                                  |
|------------|-------------|-----------|---|------------|-------------------------|--|
| 68649-42-3 | n.av.       | 272-028-3 | Phosphorodithioic acid,<br>O,O-di-C1-14-alkyl esters,<br>zinc salts | 0,1 - 1%   | Xi, N<br>GHS05<br>GHS09 | R 31-38-41-51/53<br>H315 H318 H411<br>EUH031 |

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**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, CO<sub>2</sub>, 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 mixture**  
In the event of fire the following can be released:  
Carbon oxides, sulphur oxides, nitrogen oxides (NO<sub>x</sub>).
- 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.

**SECTION 6: Accidental release measures**

- 6.1 **Personal precautions, protective equipment and emergency procedures**  
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 :**  
Ensure adequate ventilation. Do not breathe 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 :**  
Do not store together 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**

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.

**8.2.2 Individual protection measures**

**8.2.2a Respiratory Protection :** Breathing apparatus needed only when aerosol or mist is formed.  
 Respirator with filter A2, A2P2, ABEK

**8.2.2b Hand Protection :** Use protective skin cream before handling the product.  
 Protective gloves (nitrile rubber, neoprene)  
 As the product is a preparation of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.  
 The break through time depends amongst other things from the material, the thickness and the type of glove and therefore has to be measured for each case.

**8.2.2c Eye Protection :** Safety glasses

**8.2.2d Skin Protection :** n.av.

**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**

<b>9.1.1 Form :</b> liquid	<b>Colour :</b> yellow light brown	<b>Odour :</b> characteristic
9.1.2 pH-value, undiluted :	n.ap., pH-value, 1% aqueous solution : n.ap.	
9.1.3 Boiling point / Boiling - range (°C) :	n.av., Melting point / Melting range (°C) : n.av.	
9.1.4 Flash point (°C, c.c.) :	> 110,	
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.	
9.1.12 Density (g/ml) :	0,87 (15°C)	
9.1.13 Solubility (in Water) :	practically insoluble	Soluble in : organic solvent
9.1.14 Partition coefficient, n-Octanol/Water :	n.av.	
9.1.15 Viscosity :	~ 32 mm <sup>2</sup> / s (40°C)	
9.1.16 Solvent separation test :	n.av.	
9.1.17 Solvent content (m %) :	Not relevant	
<b>9.2 Other information</b>		
9.2.1 Thermal decomposition (°C) :	n.av.	
9.2.2 Vapour density (Air = 1) :	n.av.	
9.2.3 Evaporation rate :	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**  
Strong 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**
- 11.1.1 **Acute Health Effects :**
- |   |        |
|---|--------|
| Inhalation, LC <sub>50</sub> rat, (mg/l/4h) :   | n.av.  |
| Ingestion, LD <sub>50</sub> rat, (mg/kg) :      | n.av.  |
| Skin - contact, LD <sub>50</sub> rat, (mg/kg) : | n.av.  |
| Irritation (to skin / eye) :                    | Slight |
| Sensitisation :                                 | None.  |
- 11.1.2 **Subacute / Chronic Toxicity :**
- |                    |       |
|--------------------|-------|
| Carcinogenicity :  | n.av. |
| Mutagenicity :     | n.av. |
| Teratogenicity :   | n.av. |
| Narcotic Effects : | None. |
- 11.1.3 **Practical Experience**
- 11.1.3.1 Observations relevant for classification : None.
- 11.1.3.2 Further Observations :  
Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
- 11.1.4 **General Remarks :**  
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**  
n.av.
- 12.6 **Other adverse effects**
- |  |                 |
|--|-----------------|
| 12.6.1 COD-Value, mg/g :               | n.av.           |
| 12.6.2 BOD <sub>5</sub> -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

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**

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

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available.

**15.2 Chemical safety assessment : None.****SECTION 16: Other information****Text of R - phrases mentioned in Section 3:**

R 31: Contact with acids liberates toxic gas.

R 38: Irritating to skin.

R 41: Risk of serious damage to eyes.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EUH031: Contact with acids liberates toxic gas.

H 315: Causes skin irritation.

H 318: Causes serious eye damage.

H 411: Toxic to aquatic life with long lasting effects.

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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