

**Safety Data Sheet**  
 in accordance with 91/155/EEC

Page 1 / 6

**1. Identification of material / preparation and supplier details**

Product details:

Trade name: **WLPF**

Supplier: Fischer Elektronik GmbH & Co. KG  
 Postfach 1590 • D-58465 Lüdenscheid  
 Nottebohmstr. 28 • D-58511 Lüdenscheid  
 Phone: ++49 2351/435-0  
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Enquiry division: Technical Service

**2. Composition / Information on ingredients**

Chemical analysis:

Description: Preparation of solids in synthetic oil

Dangerous components:

<u>EINECS</u>	<u>Designation</u>	<u>%</u>	<u>Code R phrases</u>
215-222-5	Zinc oxide	50 - 100	N; R 50/53

**3. Potential hazards**



Definition of hazard: N Environmental hazard

Information concerning particular dangers to man and to the environment: R 50/53 toxic to water organisms, potentially harmful effect on water in the long term.

Specific hazard: Solvents may degrease the skin. Extended contact with the skin may cause irritation and/or dermatitis. Contact with the eyes may cause irritation.

Classification system: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by suppliers.

**4. First aid**

General information: Present this specification when consulting a doctor.

After inhaling: The patient should inhale fresh air.

After contact with the skin: Clean with water and soap.

After contact with the eyes: Keep eyelids open and rinse with clean running water for several minutes. If irritation is still experienced, get medical assistance.

After swallowing: Seek medical assistance.

**5. Fire fighting measures**

<i>Suitable extinguishing media:</i>	Water spray jet, foam, extinguishing powder or CO <sub>2</sub> . Fight larger fires with a water spray jet or a foam resistant to alcohol.
<i>Special procedures:</i>	Measures usually taken in the case of fire when chemicals are involved.
<i>Extinguishing methods which are not recommended for safety reasons:</i>	Full water jet.
<i>Particular danger from the agent or its preparation, its products of combustion or gases produced:</i>	Carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> )
<i>Special protective equipment:</i>	Do not inhale gases produced from explosion or combustion, wear self-contained breathing apparatus.
<i>Protective equipment for fire fighting:</i>	Use a breathing mask, if necessary.
<i>Special information for fire fighting:</i>	N/A

**6. Action to be taken in the event of accidental leakage**

<i>Precautionary measures for personnel:</i>	Wear personal protective equipment. Danger of slipping on leaked/spilled product.
<i>Precautionary measures for the environment:</i>	Prevent the product from entering sewage systems or water bodies.
<i>Cleaning, removal:</i>	Remove mechanically.

**7. Handling and storage**

<i>Handling:</i>	Do not eat, drink or smoke when using the product.
<i>Protection against fire and explosion:</i>	No special measures required.
<i>Storage:</i>	
<i>Requirements for storage areas and containers:</i>	Store only in the original container.
<i>Storage together with other materials:</i>	Not required.
<i>Further instructions on storage conditions:</i>	
<i>Recommended storage temperature:</i>	Room temperature.
<i>VCI class of storage:</i>	N/A

**8. Exposure limits and personal protective equipment**

*Additional information on the design of technical equipment:*

No further data, see item 7).

*Components, workplace-related limiting values which must be monitored:*

The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.

*Personal protective equipment:*

*General protective and hygienic measures:*

The precautionary measures usual when handling lubricants should be observed.

*Breathing mask:*

Not required.

*Hand protection:*

Protective gloves

*Material:*

Nitrile rubber.

*Penetration time:*

For the exact penetration time, please consult the manufacturer.

*Gloves which are not suitable:*

Gloves made from leather or thick cloth.

*Eye protection:*

Use goggles to protect the eyes against splashes during refilling.

*Body protection:*

Wear protective clothing.

*Protection and hygiene:*

Do not eat, drink or smoke when using the product.

**9. Physical and chemical properties**

*Form:*

Pasty

*Colour:*

White

*Odour:*

Typical for this type of product

*Safety information:*

Value/Range	Unit	Method
Change in condition		
Melting point/melting range:	Not determined	
Boiling point/boiling range:	Not determined	
Flash point of basic oil:	approx.200°	C
Ignition temperature:	Not determined.	
Self-ignition:	Product is not self igniting.	
Danger of explosion:	Product is not explosive.	
Density:	at 20°C	approx. 2 g/cm <sup>3</sup>
Solubility/miscibility with water:	Insoluble.	

Change in condition

Melting point/melting range:

Not determined

Boiling point/boiling range:

Not determined

Flash point of basic oil:

approx.200° C ISO 2592

Ignition temperature:

Not determined.

Self-ignition:

Product is not self igniting.

Danger of explosion:

Product is not explosive.

Density:

at 20°C approx. 2 g/cm<sup>3</sup> DIN 51757

Solubility/miscibility with water:

Insoluble.

**10. Stability and reactivity**

*Thermal decomposition/conditions to be avoided:*

No decomposition if used properly.

*Materials to be avoided:*

Strong acids and oxidants.

*Hazardous reactions:*

Reacts with oxygen.

*Hazardous decomposition products:*

Carbon monoxide and carbon dioxide.

**11. Information on toxic effects**

*Acute toxicity:*

*LD/LC50 values relevant for classification:*

ZINC OXIDE

Orally / LD50 / > 15000 mg/kg (rat test)

*Primary irritant effect:*

*On the skin:*

No irritant effect

*On the eye:*

No irritant effect

*Sensitization:*

No sensitizing effect known

*Additional toxicological information:*

When used and handled according to instructions, the product does not have any harmful effects according to our experience and the information provided to us.

**12. Ecological aspects**

*Information on elimination (persistence and degradability):*

*Other information:*

According to the OECD criteria low degree of biodegradability.

*Ecological-toxic effect:*

Highly toxic to fish.

*General notes:*

Water hazard class 2 (self-assessment in accordance with the general administrative regulations for the classification of substances and formulations in water hazard classes): hazardous to water.

**13. Disposal***Product:**Recommendation:* Must not be disposed of with household rubbish. Prevent the product from entering sewage systems.*European waste specification:***12 01 12** (spent waxes and fats)*Uncleaned cans:**Recommendation:* Disposal according to official regulations**14. Transport instructions***Road and rail transport ADR/RID and GGVS/GGVE (cross-border/domestic):**Class as per DR/RID - GGVS/GGVE:* 9 Various hazardous substances and objects*Kemler no.:* 90*UN no.:* 3077*Group of packaging:* III*Hazard slip:* 9*Designation of the goods:* 3077 environmentally hazardous substance, solid, N.O.S. (zinc oxide)*Sea transport IMDG/GGVSea:**Class as per IMDG/GGVSea* 9*UN no.:* 3077*Label:* 9*Group of packaging:* III*EMS no.:* F-A, S-F*Marine pollutant:* No*Correct technical designation:* Environmentally hazardous substance, solid, N.O.S. (zinc oxide)*Air transport ICAO-TI and IATA-DGR:**Class as per IMDG/GGVSea* 9*UN/ID no.:* 3077*Label:* 9*Group of packaging:* III*Correct technical designation:* Environmentally hazardous substance, solid, N.O.S. (zinc oxide)

**15. Regulatory information:**

*Designation according to EC directives:*

*The precautionary measures usual when handling lubricants must be observed.*

*The product is classified and identified in accordance with EC directives/GefStoffV.*

*Code and definition of hazard:* N Environmental hazard

*R phrases:* 50/53: Very toxic to water organisms, potentially harmful effect on water in the long term.

*S phrases:* 57: In order to avoid contamination of the environment, use appropriate cans.

60: This product and its cans must be disposed of as hazardous waste.

*National regulations:* Water hazard class WGK 2 (self-assessment in accordance with the general administrative regulations for the classification of substances and formulations in water hazard classes dated May 17, 1999, appendix 4): hazardous to water.

**16. Other**

The information contained in this safety specification sheet reflects our present state of technical knowledge but it shall neither constitute a guarantee for any specific product features nor establish a legally valid contractual relationship.

*Relevant R text:* 50/53: Very toxic to water organisms, potentially harmful effect on water in the long term.

*Issued by:* Technical Service

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