

Material Safety Data Sheet
according to 91/155/EEC

1.) Substance / preparation and company name

Product details

Trade name: **WLPG (thermal conducting paste)**

Supplier: Fischer Elektronik GmbH & Co. KG
Nottebohmstr. 28 • 58511 Lüdenscheid
Phone: + 49 (0) 2351/435-0 / Fax. + 49 (0) 2351/45754

Department responsible for information: Technical Service

Emergency Service: National Information Centre, Munich Emergency call: **+ 49 (0)89 19240**

2.) Composition / Information on ingredients

Chemical characterization (substance)

2.1) *Description*: Preparation of graphite, rape oil and distilled water.

2.2) *Hazardous ingredients*: This product is not hazardous under the criteria of the council directive 67/548/EEC.

3.) Hazards identification

Definition of hazard: none

Special information on the danger for human and environment: none

4.) First aid measures

General information: none

After inhaling: none

In case of skin contact: none

In case of eye Contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time.

In case of ingestion: none, consult a physician if problems persist.

Information to physician: See safety specification sheet.

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5.) Fire fighting measures

Suitable extinguishing media: Carbon dioxide, sand, foam, water spray jet.

Extinguishing media which may not be used for safety reasons: Full water jet

Special exposure hazards arising from the substance of preparation itself, combustion products, resulting gases:

Exceeding temperatures above 350°C may cause glowing combustion.
 Carbon monoxide (CO), carbon dioxide (CO₂) and maybe sulphur dioxide (SO₂) and sulphur trioxide (SO₃).can emerge.

Special protective equipment: Breathing mask with it's own air supply.

6.) Accidental release measures

Personal precautions: none

Environment precautions: none

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal.

Additional information: none

7.) Handling and storage

7.1) Handling

Advice on safe handling: none

Protections against fire and explosion: Do not associate with oxidants.

7.2) Storage

Requirements for storage rooms and vessels: none

Hints on storage assembly: none

Further instructions on storage conditions: none

Storage stability: of -5°C up to 40°C

Maximum period of storage: 2 years

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8.) Exposure controls and personal protection

Additional information for technical equipment: none

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

CAS-no.	Substance name	Type	Value	Remark	Unit
7782-42-5	graphite		none		
8002-13-9	rape oil		none		

Additional information: none

Personal protection equipment:

General protective and hygienic measures: none

Respiratory protection: none

Hand protection: none

Eye protection: none

Protective clothing: none

9.) Physical and chemical properties

Form: pasty
Odour: characteristic
Colour: grey/black

Change of condition	Values	Unit	Method (67/548)
<i>Melting point/melting range:</i>	-2 up to -10	°C	
<i>Boiling point/boiling range:</i>	320	°C	
<i>Flash point:</i>	not applicable		
<i>Flammability (solid, gaseous):</i>	not applicable		
<i>Ignition temperature:</i>	not applicable		
<i>Autoflammability:</i>	The product is not autoflammable		
<i>Explosive properties:</i>	The product is not explosive		
<i>Explosion limits:</i>			
UEG	not applicable		
OEG	not applicable		

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Change of condition	Values	Unit	Method (67/548)
Vapour pressure at (T1)	not applicable		
Density at (T1) T = 20 °C	1,25	g/cm ³	
Solubility: in water	insoluble		
ph-value:	about 7		
Partition coefficient n-C ₈ H ₁₇ OH/H ₂ O comp.:	not determined		log p O/W
Viscosity :	pasty		
Solvent separation test:	no information		
Solvent content:	no information		
Other Information:	none		
<u>10.) Stability and reactivity</u>			
Conditions to avoid:	none		
Materials to avoid:	none		
Hazardous decomposition products:	none, if used conventionally.		
Additional information:	none		
<u>11.) Toxicological information</u>			
The product does not have any harmful effects according to our experience and the information provided to us.			
<u>12.) Ecological information:</u>			
Negative ecological effects are not acquainted. Not hazardous to waters and biodegradable.			
<u>13.) Disposal considerations</u>			
Product:			
Recommendation:	Dispose of waste according to applicable local regulations.		
Packaging:	Handle contaminated packaging in the same way as the substance itself.		
Recommendations:	Cleaned packages may be reused / recycled.		
Recommended cleaning agents: no indication			

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14.) Transport regulations

Land transport ADR/RID

Class as per ADR/RID

Number/letter:

Warning sign:

Hazard no.

Material no.

Designation of goods:

Remark: No dangerous good in sense of this transport regulations.

Inland waterway craft ADN/ADNR

Class as per ADN/R

Number/letter

Category:

Designation of goods:

Remark: No dangerous good in sense of this transport regulations.

Marine transport IMDG

Class as per IMDG/GGV Sea:

UN no. :

PG :

EMS no. :

MFAG:

Marine pollutant:

Correct technical designation:

Remark: No dangerous good in sense of this transport regulations.

Air transport ICAO-TI and IATA-DGR

Class as per C ICAO/IATA:

UN/ID no.:

PG:

Correct technical designation:

Remark: No dangerous good in sense of this transport regulations.

Transport/additional information: Delivery by post is possible

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15.) Regulatory information

Marking in accordance with the EEC regulations

Hazards symbols and hazards statements

of dangerous substances and preparations: no dangerous good

National regulations

Additional classification according to GefStoffV appendix II no: none
(only applicable in case of deviation from the EC classification)

Störfallverordnung: none

Classification to VbF : none

Protection against emission (TA-Luft): none

Water hazard class : **0**, not hazardous to waters, (self-assessment).

16.) Other

The information contained in this safety specification sheet reflects our present technical knowledge and satisfies legal requirements at national and EC level. The users' working conditions, however, are not known to us and are beyond our control. Users are responsible for observing all applicable legal provisions. The information contained in this specification sheet describes the safety requirements applicable to our product and implies no guarantee of the properties of the product.

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