

Safety Data Sheet
 according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 19.06.2013

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1.) Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier: WLPK

1.2 Use of the substance / preparation: Heated paste

1.2.1 Uses advised against: None known.

1.3 Supplier: Fischer Elektronik GmbH & Co. KG
 P.O.Box 1590 • D-58465 Lüdenscheid, Germany
 Nottebohmstr. 28 • 58511 Lüdenscheid, Germany
 Telephone: +49 (0) 2351/435-0 / Fax. +49 (0) 2351/45754

Dept. Responsible for information: Technical Service, e-mail: reach@fischerelektronik.de

1.4 Emergency information: Toxicological information centre D-53113 Bonn

Emergency number.: **+49 (0) 228 – 19240**

2.) Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) No. 1272/2008 (CLP): not determined

2.1.2 Classification according to Directive 67/548/ECC or 1999/45EC:

2.2 Label elements:



N, dangerous for the environment ; EUR-Phrases: R50/53 ; Full text of R- and S-phrases: see section 16.

2.3 Other hazards:

Physico-chemical hazards: See chapter 10.

Human health dangers: Frequent persistent contact with the skin can cause skin irritation.

Environmental hazards: Does not contain any PBT or vPvB substances.

Other hazards: Further hazards were not determined with the current level of knowledge.

3.) Composition / Information on ingredients

3.1 Chemical characterisation: mixture

Mixtures:	Range [%]	Substance
	10 - <20	Aluminium powder (pyrophoric) CAS: 7429-90-5, EINECS/ELINCS: 231-072-3, EU-INDEX: 013-001-00-6, ECB-Nr.: 01-2119529243-45-xxxx GHS/CLP: Water-react.2,H261–Pyr.Sol.1, H250 EEC: F, R 15-17
	10 - <25	Zinkoxid CAS: 1314-13-2, EINECS/ELINCS: 215-222-5, EU-INDEX : 030-013-00-7 GHS/CLP : Aquatic Chronic 1, H410 EEC: N, R 50/53

Comment on component parts: Substances of Very High Concern SVHC : substances are not contained or are below 0,1%.

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4.) First aid measures

4.1 Description of first aid measures:

General information: Remove clothes that have been contaminated with the product.

In case of inhalation: not applicable

In case of skin contact: After contact with skin, wash the area with soap and water. Rinse well with clean water. Consult a doctor if skin irritation persists.

Following eye contact: Rinse the affected eye(s) for several minutes under running water, holding the eyelid open. If eye irritation persists, consult an ophthalmologist.

In case of ingestion: In the event of symptoms seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: None known.

4.3 Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5.) Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Foam, carbon dioxide, extinguishing powder, water spray jet.

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

5.2 Special risks due to the substance, its combustion products or gases discharged: Unknown risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters: Use self-contained breathing apparatus. Fire residues and contaminated fire-fighting water must be disposed of in accordance within the local regulations.

6.) Accidental release measures

6.1 Personal precautions: High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions: Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up: Take up mechanically.
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections: See Chapter 8+13

7.) Handling and storage

7.1 Precautions for safe handling: No special measures necessary if used correctly.

7.2 Conditions for safe storage, including any incompatibilities: Keep only in original container.
Keep container tightly closed.
Protect from heat/overheating.

7.3 Specific end use(s): See product use, Chapter 1.2

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8.) Exposure controls / personal protection

8.1 Control parameters:

Ingredients with occupational exposure limits to be monitored (GB):

Substance	CAS no.	WEL.: Workplace exposure limit
Aluminium powder (pyrophoric)	7429-90-5	10 mg/m ³

8.2 Personal protection equipment / exposure controls:

Additional advice on system design: Ensure adequate ventilation on workstation.

Respiratory protection: not applicable

Hand protection: Use protective PVC gloves or Butyl rubber, >480min (EN 374).

Eye protection: Protective goggles with lateral protection.

Body protection: not applicable

Skin protection: not applicable

Other: Avoid contact with eyes and skin. Wash hands before breaks and after work. Use barrier skin cream.

Thermal hazards: not applicable

Delimitation and monitoring of the environmental exposition: See Chapter 6+7.

9.) Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Form: pasty
Colour: silver-grey
Odour: characteristic

pH value: not applicable
Viscosity, dynamic: not applicable
Boiling point [°C]: not determined
Flash point [°C]: > 260
Flammability [°C]: not determined
Lower explosion limit: not applicable
Upper explosion limit: not applicable
Vapour pressure: not determined
Density(g/ml): 1,4 (20°C / 68,0°F)
Solubility in water: not soluble
Partition coefficient [n-octanol/water]: not applicable
Relative vapour density determined in air: not determined
Evaporation speed: not determined
Melting point [°C]: not determined
Autoignition temperature [°C]: not applicable
Decomposition temperature: not determined
Oxidizing properties: no

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10.) Stability and reactivity

- 10.1 Reactivity: No dangerous reactions known if used as directed.
- 10.2 Chemical stability: The product is stable under normal conditions.
- 10.3 Hazardous reactions: If product is heated above decomposition temperature toxic vapours may be released
- 10.4 Conditions to avoid: See Chapter 7
- 10.5 Incompatible materials: not determined
- 10.6 Hazardous decomposition products: No decomposition products if stored and handled properly.

11.) Toxicological information

11.1 Information on toxicological effects:

Acute toxicity: zinc oxide; CAS:1314-13-2; LD50, oral, Rat:>5000 mg/kg; LC0, inhalative, RAT:≥ 5,7mg/m³/3h

- Serious eye damage/irritation: not determined
- Skin corrosion/irritation: not determined
- Respiratory or skin sensitisation: not determined
- Specific target organ toxicity: not determined
- Mutagenicity: not determined
- Reproduction toxicity: not determined
- Carcinogenicity: not determined
- Generals remarks: Toxicological data are not available. No classification on the basis of the calculation procedure of the preparation directive.

12.) Ecological information

12.1 Toxicity:

Range [%]	Substance
10 - < 20	Aluminium powder (pyrophoric), CAS : 7429-90-5 LC50, (96h), fish: <100 mg/l (IUCLID). NOEC, (72h), Selenastrum capricornutum: < 100 mg/l (IUCLID).
10 - < 25	Zinc oxide, CAS 1314-13-2 EC50, (48), Daphnia magna : >1 mg/l. LC50; (96h), fish: < 1 mg/l. M=1 ; IC50, (72h), Pseudokirchneriella subcapitata: 0,17 mg/l. M=1

12.2 Persistence and degradability:

- Behaviour in environment compartments: not determined
- Behaviour in sewage plant: not determined
- Biological degradability: not determined

12.3 Bioaccumulative potential: not determined

12.4 Mobility in soll: not determined

12.5 Results of PBT and vPvB assessment: not applicable

12.6 Other adverse effects: The product was classified on the basis of the calculation procedure of the preparation directive.

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13.) Disposal considerations

<u>13.1 Waste treatment methods:</u>	Coordinate the waste disposal with the national authorities.
<i>Product:</i>	In accordance with RoHS! Disposal in an incineration plant in accordance with the regulations of the local authorities.
<i>Waste no. (recommended):</i>	070708*
<i>Contaminated packaging:</i>	Uncontaminated packaging may be taken for recycling.
<i>Waste no. (recommended):</i>	150110* / 150102

14.) Transport information

<u>14.1 UN proper shipping name:</u>	
<i>Classification according to ADR:</i>	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (contains Zinc oxide) 9 N III
<i>Classification Code:</i>	M6
<i>Transport label:</i>	9 miscellaneous substances and articles
<i>Limited quantity (LQ):</i>	5 I
<i>Transport category:</i>	3
<i>Tunnel restriction code:</i>	E
<i>Classification according to IMDG:</i>	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (contains Zinc oxide) 9 III MARINE POLLUTANT
<i>EMS No.:</i>	F-A , S-F
<i>Transport label:</i>	9 miscellaneous substances and articles
<i>IMDG LQ:</i>	5I
<i>Classification according to IATA:</i>	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (contains Zinc oxide) 9 III
<i>Transport label:</i>	9 miscellaneous substances and articles
<u>14.2 Transport hazard class(es):</u>	See point 14.1 in accordance with UN shipping name
<u>14.3 Packing group:</u>	See point 14.1 in accordance with UN shipping name
<u>14.4 Environmental hazards:</u>	See point 14.1 in accordance with UN shipping name
<u>14.5 Special precautions for user:</u>	Relevant information under points 6 to 8.
<u>14.6 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code:</u>	not determined

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15.) Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EEC-Regulations: 1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006(REACH); 1272/2008; 75/324EEC (2008/47/EC); 453/2010/EC

Transport-Regulations: DOT-Classification, ADR(2013); IMDG-Code 2013, 35. Amdt.); IATA-DGR (2013).

National regulations (GB): EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4

15.2 Chemical safety assessment: not applicable

16.) Other information

Relevant R-phrases: 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment.

15 Contact with water liberates extremely flammable gases.

17 Spontaneously flammable in air.

S-phrases: 60 This substance and its container must be disposed of as hazardous waste.

61 Avoid release into the environment. Get special instructions / consult safety data sheet.

H-phrases: H261 In contact with water releases flammable gases.

H250 Catches fire spontaneously if exposed to air.

H410 Very toxic to aquatic life with long lasting effects.

Observe employment restrictions for people: no

VOC (1999/13/CE): 0%

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The information reflects existing technical knowledge. It serves to describe our products with respect to the safety requirements and is not intended to guarantee certain properties.