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

### **1.1 Product identifier**

**Trade name/designation** WLPK

### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

#### **Relevant identified uses**

##### **remark**

Thermal transfer compound

#### **Uses advised against**

none

### **1.3 Details of the supplier of the safety data sheet**

#### **Manufacturer**

Fischer Elektronik GmbH & Co. KG

Nottebohmstraße 28

Germany-58511 Lüdenscheid

Telephone: +49-2351-4350

Telefax: +49-2351-45754

E-mail: info@fischerelektronik.de

Information telephone: +49-2351-4350

E-mail (competent person): info@fischerelektronik.de

www.fischerelektronik.de

#### **1.4 Emergency telephone number**

+49-228-19240 (Giftnotruf Bonn, English and German)

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## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

#### **remark**

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### **2.2 Label elements**

No data available

### **2.3 Other hazards**

#### **Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

### **3.1/3.2 Substances/Mixtures**

#### **Hazardous ingredients**

aluminium oxide 10 - 20 %

CAS 1344-28-1

EC 215-691-6

REACHNo 01-2119529248-35-XXX

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aluminium 10 - 20 %  
CAS 7429-90-5  
EC 231-072-3  
INDEX 013-002-00-1  
REACHNo 01-211952943-45-XXX

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## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

Remove contaminated, saturated clothing immediately.

#### **Following inhalation**

Provide fresh air.

#### **Following skin contact**

After contact with skin, wash immediately with plenty of water and soap.

#### **After eye contact**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

#### **Following ingestion**

Rinse mouth immediately and drink plenty of water.

### **4.2 Most important symptoms and effects, both acute and delayed**

#### **Symptoms**

No known symptoms to date.

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Notes for the doctor**

Treat symptomatically.

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Foam

Extinguishing powder

Carbon dioxide (CO<sub>2</sub>)

Water mist

#### **Unsuitable extinguishing media**

Full water jet

### **5.2 Special hazards arising from the substance or mixture**

#### **Hazardous combustion products**

Pyrolysis products, toxic

### **5.3 Advice for firefighters**

No data available

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

#### **For non-emergency personnel**

##### **Personal precautions**

Use personal protection equipment. Special danger of slipping by leaking/spilling product.

### **6.2 Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### **6.3 Methods and material for containment and cleaning up**

#### **For containment**

##### **Suitable material for taking up:**

Sawdust

Universal binder

### **6.4 Reference to other sections**

Personal protection equipment: see section 8

Disposal: see section 13

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

#### **Protective measures**

##### **Advices on safe handling**

No special technical protective measures are necessary.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

not relevant

#### **Hints on joint storage**

##### **Materials to avoid**

none

##### **Storage class**

Non-combustible solids

### **7.3 Specific end use(s)**

#### **Recommendation**

Observe technical data sheet.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **DNEL-/PNEC-values**

##### **DNEL Consumer**

**Substance name** aluminium oxide

##### **type**

Long-term - oral, systemic effects

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**Value** 3,29 mg/kg

**Substance name** aluminium

**type**

Long-term - oral, systemic effects

**Value** 7,9 mg/kg

#### **DNEL worker**

**Substance name** aluminium oxide

**type**

Long-term – inhalation, local effects

**Value** 15,63 mg/m<sup>3</sup>

**Substance name** aluminium

**type**

Long-term – inhalation, local effects

**Value** 3,72 mg/m<sup>3</sup>

### **8.2 Exposure controls**

#### **Personal protection equipment**

##### **Eye/face protection**

###### **Suitable eye protection:**

Eye glasses with side protection

##### **Skin protection**

###### **Suitable gloves type**

Disposable gloves

###### **Body protection:**

###### **Suitable protective clothing:**

not relevant

##### **Respiratory protection**

Respiratory protection necessary at:  
dust formation

###### **Suitable respiratory protection apparatus:**

Filtering Half-face mask (DIN EN 149)

ABEK-P1

##### **remark**

Usually no personal respirative protection necessary.

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

#### **Appearance**

#### **Physical state**

Paste

#### **Colour**

silver grey

#### **Odour**

odourless

**Odour threshold:**

not determined

parameter	Method - source - remark
Evaporation rate	not determined
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	not determined
flammability	not determined
Upper explosion limit	not determined
lower explosion limit	not determined
Flash point (°C)	not applicable
Auto-ignition temperature	not determined
Decomposition temperature	not determined
pH	not determined
Soluble (g/L) in	not determined
Fat solubility	not determined
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.
Partition coefficient: n-octanol/water	not determined
Vapour pressure	not determined
Vapour density	not determined
Relative density	not determined
particle characteristics	not determined

**9.2 Other information**

No data available

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

This material is considered to be non-reactive under normal use conditions.

**10.2 Chemical stability**

The substance is chemically stable under recommended conditions of storage, use and temperature.

**10.3 Possibility of hazardous reactions**

No known hazardous reactions.

**10.4 Conditions to avoid**

none

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## 10.5 Incompatible materials

### Materials to avoid

none

## 10.6 Hazardous decomposition products

No known hazardous decomposition products.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute inhalation toxicity (dust/mist)

**ingredient** aluminium

**Acute inhalation toxicity (dust/mist)** 888 mg/L

##### Effective dose

LC50:

**Exposure time** 4

##### Species:

Rat

##### Acute oral toxicity

**ingredient** aluminium

**Acute oral toxicity** >5000 mg/kg

##### Effective dose

LD50:

##### Species:

Rat

**ingredient** aluminium oxide

**Acute oral toxicity** >5000 mg/kg

##### Effective dose

LD50:

##### Species:

Rat

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## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 12.6 Other adverse effects

No information available.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### remark

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

#### Directive 2008/98/EC (Waste Framework Directive)

##### Before intended use

#### Appropriate disposal / Package

Non-contaminated packages may be recycled.

**Waste code product** 160509

**hazardous waste** No

#### Waste name

discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

##### After intended use

**Waste code packaging** 150102

**hazardous waste** No

#### Waste name

plastic packaging

## SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name	not applicable	not applicable	not applicable
14.3 Class(es)	not applicable	not applicable	not applicable
14.4 Packing group	not applicable	not applicable	not applicable
14.5 ENVIRONMENTALLY HAZARDOUS	not applicable	not applicable	not applicable
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Maritime transport in bulk according to IMO instruments	not applicable	not applicable	not applicable

## SECTION 15: Regulatory information

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

#### EU legislation

#### Other regulations (EU)

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

**Volatile organic compounds (VOC) content in percent by weight:** 0 weight-%

## **National regulations**

### **Germany**

#### **Störfallverordnung**

##### **Hazard categories**

not relevant

#### **Technische Anleitung Luft (TA-Luft)**

##### **remark**

Not subject to TA-Luft.

## **Other regulations, restrictions and prohibition regulations**

TRGS 510

### **Restrictions of occupation**

not applicable

### **Water hazard class**

slightly hazardous to water

##### **source**

Self-classification according to AwSV (substance).

## **15.2 Chemical Safety Assessment**

not applicable

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## **SECTION 16: Other information**

### **Abbreviations and acronyms**

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

### **Additional information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.