

## 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

#### Adverse human health effects and symptoms

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

#### 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	
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

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## 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.

## 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

**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
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
Kinematic viscosity	not determined
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.
Soluble (g/L) in	not determined
Fat solubility	not determined
Partition coefficient: n-octanol/water	not determined
Vapour pressure	not determined
Density and/or relative density	not determined
Relative vapour density	not determined
particle characteristics	not determined

### 9.2 Other information

No data available

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## 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

### 10.5 Incompatible materials

none

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### 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

### 11.2 Information on other hazards

No information available.

## 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 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

No information available.

## 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 number or ID number	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

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.4 Packing group	not applicable	not applicable	not applicable
14.5 Environmental hazards	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-%

### 15.2 Chemical Safety Assessment

not applicable

## 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.