

1.) Name of the substance or mixture and of the company

Trade name

Extruded semi-finished products and slugs from aluminium alloys (according to chapter 3)

Relevant identified uses of the substance or mixture and uses advised against: None

Relevant identified uses: Metal processing

Details of the supplier providing the safety data sheet

Address

AWW Aluminium-Werke Wutöschingen

Web: www.aww.de

Information on the safety data sheet

Dr. Z. Alpan

2.) Possible dangers

Classification of the substance or mixture

Information on the classification

The product does NOT meet the criteria for the classification and labelling set out in regulation (EC) no. 1272/2008 (CLP).

Labelling elements

Information on the labelling

In the form in which it is placed on the market, the product does NOT pose a danger to human health by inhalation, ingestion or skin contact and is not a water hazard and is therefore NOT subject to labelling:

- Regulation (EC) 1272/2008 (CLP), Annex I, Point 1.3.4. ("Metals in compact form, alloys, polymer-containing mixtures, elastomer-containing mixtures");
- EC Directive 1999/45/EC (DPD), Annex VII (see EC Directive 67/548/EC, Annex VI, Point 9.3: "Alloys and preparations containing polymers or elastomers").

The provision of the safety data sheet is voluntary, as the product does NOT meet the requirements of Art. 31 (1) a, b, c of Regulation (EC) 1907/2006.

3.) Composition/Information on ingredients

Chemical characterisation

Metallic aluminium / composition according to EN 573-3

EN AW -1050A	(EN AW - Al 99.5)
EN AW -1070A	(EN AW - Al 99.7)
EN AW - 1090	(EN AW - Al99.9)
EN AW - 1100	(EN AW - Al99.0Cu)
EN AW - 1350 A	(EN AW - EAl99.7)
EN AW - 2011	(EN AW - AlCu6BiPb)
EN AW - 3103	(EN AW - AlMn1)
EN AW - 3004	(EN AW - AlMn1Mg1)
EN AW - 5005A	(EN AW - AlMg1(C))
EN AW - 5210	(EN AW - Al99.9Mg0.5)
EN AW - 5754	(EN AW - AlMg3)
EN AW - 6005	(EN AW - AlSiMg)
EN AW - 6005A	(EN AW - AlSiMg (A))
EN AW - 6056	(EN AW - AlSi1MgCuMn)
EN AW - 6060	(EN AW - AlMgSi)
EN AW - 6061	(EN AW - AlMg1SiCu(A))
EN AW - 6063	(EN AW - AlMg0.7Si)

EN AW - 6082 (EN AW - AlSi1MgMn)
EN AW - 6101B (EN AW - EA1MgSi(B))

Substance/product identification

CAS no. 7429-90-5
EC no. 231-072-3

4.) First aid measures

General information

This chapter is completely omitted for extruded semi-finished products and slugs.

The information on first aid refers to any dust that may be produced. If symptoms persist, consult a doctor. Immediately take off contaminated clothing and safely remove it.

After inhalation

Ensure fresh air supply.

After skin contact

In case of contact with skin, wash with soap and water.

After eye contact

Spread the eyelids, rinse eyes thoroughly with water (15 min.).

After ingestion

Rinse the mouth thoroughly with water.

5.) Fire-fighting measures

This chapter is completely omitted for extruded semi-finished products and slugs.

Fire-fighting information refers to any dust that may be generated.

Suitable extinguishing media

Extinguishing measures must be adapted to the surroundings of the fire.

Special dangers arising from the substance or preparation itself, from the products of combustion or gases produced by the fire:

Can be released in the event of fire: Metal oxides

Special protective equipment for fire-fighting

Use breathing apparatus with independent air supply. Wear protective suit.

6.) Measures in case of accidental release

Chapter 6 is completely omitted for extruded semi-finished products and slugs.

The information on accidental release measures refers to any dust that may be produced.

Personal precautions

Observe protective regulations (see chapters 7 and 8).

Environmental precautions

Do not empty into drains/surface water/groundwater.

Methods for cleaning/receiving

Pick up mechanically. Dispose of in suitable containers for recovery or disposal.

7.) Handling and storage

Handling

Information on safe handling

Protect packaging units from humidity and moisture. Ensure good room ventilation.

Storage

Requirements for storage rooms and containers

Protect packaging units from humidity and moisture.

Information on storage in a common storage facility

Not known.

VCI storage class

10-13 other liquids and solids (not LGK 1-8)

8.) Exposure controls / Personal protective equipment

Chapter 8 is completely omitted for the extruded semi-finished products and slugs.

The information on the limitation and monitoring of exposure relates to aluminium powder or aluminium dust and has been mentioned here for the sake of completeness.

Exposure limit values, aluminium powder

CAS no. 7429-90-5

EC no. 231-072-3

German Research Foundation (DFG)

Dusts containing aluminium, aluminium oxide, aluminium hydroxide

Alveolar fraction

Value: 1.5 mg/m³

DFG

Inhalable fraction

Value: 4 mg/m³

Limiting and monitoring the exposure

Personal protective equipment

Respiratory protection

If the workplace limits are exceeded, suitable breathing apparatus must be worn.

If there are no workplace limits, sufficient

respiratory protection measures must be taken if dust is formed.

Hand protection

Use protective gloves.

Eye protection

Safety glasses (DIN EN 166)

Personal protective equipment

Protective clothing

General protective and hygiene measures

Do not smoke, eat or drink while working. Keep food and beverages away. Before breaks and at the end of work,

wash the hands.

9.) Physical and chemical properties

General information

Form: Solid

Colour: Metallic silver-grey

Odour: Odourless

Important information on health, safety and environmental protection**State changes**

Type of state change: Melting point
Value: Approx. 660 °C
Type of state change: Boiling point
Value: 2467 °C

Flash point

Remark not applicable

Density

Value: 2.70 g/cm³
Reference temperature: 20 °C

Solubility in water:

Insoluble in water

10.) Stability and reactivity**Conditions to be avoided**

None when used as intended.

Substances to be avoided

Alkaline- and acid-reactive solutions

Dangerous decomposition products

None when used as intended

11.) Toxicological information**Other information**

Product-specific toxicological data is not known.

12.) Specific environmental information**Other information**

Ecological data is not available.

13.) Notes on disposal**Product**

A waste code number in accordance with the European Waste Catalogue (AVV) must be assigned in consultation with the regional waste disposal company.

14.) Information on transport**Other information**

The product is not subject to national and international transport regulations for road, rail, sea and air.

15.) Legal regulations**Regulations on safety, health and environmental protection/specific legislation for the substance or mixture****EU regulations Directive 96/82/EC on the control of major-accident hazards involving dangerous substances (ordinance on major accidents)**

None.

With regard to possible decomposition products, see chapter 10.

National regulations**Germany: Class of substances dangerous to water**

Class nwg
ID no. 1443

Source: Classification according to German Administrative Regulation Regarding Water Pollutants (VwVwS)

16.) Other information

Data sources used to create the data sheet:

EC Directive 67/548/EC and 99/45/EC in the current version.

Regulation (EC) no. 1907/2006 (REACH), 1272/2008 (CLP) in the currently valid version.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National workplace limit value lists of the respective countries in the currently valid version.

Transport regulations according to ADR, RID, IMDG, IATA in the currently valid version.

Data sources used to determine physical, toxicological and eco-toxicological data are given directly in the relevant chapters.

The information is based on the current state of our knowledge. It is, however, no guarantee of product characteristics and does not establish any contractual legal relationship.