

1 Identification

· 1.1 Product identifier

· Trade name: **Wieland A03**

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

No further relevant information available.

· Application of the substance / the preparation: Semi-finished product

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Wieland-Werke AG

Graf-Arco-Straße 36

89079 Ulm (Germany)

Tel.: +49 (0)731/944-0

Fax: +49 (0)731/944-2799

· Information department:

Department testing laboratories

michael.ebner@wieland.de

· 1.4 Emergency telephone number:

Factory security offices

Phone: +49 (0) 731-944-3706

2 Hazard(s) identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008 (CLP-Regulation):

For products there is no obligation to classify acc. to CLP -Regulation.

The product is not classified according to the CLP regulation.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008: Void

· Hazard pictograms: Void

· Signal word: Void

· Hazard-determining components of labeling: Void

· Hazard statements: Void

· 2.3 Other hazards

Semi-finished products from aluminium or aluminium-alloys, as offered for sale as manufactured present no health hazard to man or for the aquatic environment.

· Results of PBT and vPvB assessment

· PBT: Not applicable to metals

· vPvB: Not applicable to metals.

3 Composition/information on ingredients

· 3.2 Chemical characterization: Mixtures

· Description: Metal in compact form.

· Information:

The classifications mentioned below reflect the respective pure substance and are for information only.

Aluminium alloys are special preparations according to Regulation (EC) 1907/2006 (REACH Regulation).

The classification of a pure substance is not applicable to its use as element of a aluminium alloy.

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· Components:

CAS: 7429-90-5 EINECS: 231-072-3 RTECS: BD 0330000	aluminium	balance%
CAS: 7440-50-8 EINECS: 231-159-6 RTECS: GL 5325000	copper	3.5-4.5%
CAS: 7439-96-5 EINECS: 231-105-1 RTECS: OO 9275000	manganese	0.40-1.0%
CAS: 7439-95-4 EINECS: 231-104-6 RTECS: OM 2100000	magnesium	0.40-1.0%
CAS: 7440-21-3 EINECS: 231-130-8 RTECS: VW 0400000	silicon	0.20-0.8%

4 First-aid measures

· **4.1 Description of first aid measures**

· General information:

No special measures required.

First Aid information refer to any dust which is generated.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Rinse out mouth and then drink plenty of water.

· **4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

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

No further relevant information available.

5 Fire-fighting measures

· **5.1 Extinguishing media**

· Suitable extinguishing agents:

The semi -finished product is not combustible in the form in which it is supplied.

A fire caused by aluminium powder and swarf must only be tackled with dry sand or Class D fire extinguishing agents approved for this purpose.

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

No further relevant information available.

· **5.3 Advice for firefighters**

· Protective equipment:

If necessary, protective clothing and respiratory protection masks should be worn.

The local fire brigade can advise you on risks and fire fighting.

6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures:** Not required.· **6.2 Environmental precautions:** Not required

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- **6.3 Methods and material for containment and cleaning up:**
Dispose of the collected material according to regulations.
- **6.4 Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **7.1 Precautions for safe handling:** No special measures required.
Information about protection against explosions and fires: No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Further information about storage conditions: None.
- **7.3 Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

- Components with limit values that require monitoring at the workplace:

7429-90-5 aluminium

PEL	Long-term value: 15*; 5** mg/m ³ *Total dust; ** Respirable fraction
REL	Long-term value: 10* 5** mg/m ³ as Al*Total dust**Respirable/pyro powd./welding f.
TLV	Long-term value: 1* mg/m ³ as Al; *as respirable fraction

7440-50-8 copper

PEL	Long-term value: 1* 0.1** mg/m ³ as Cu *dusts and mists **fume
REL	Long-term value: 1* 0.1** mg/m ³ as Cu *dusts and mists **fume
TLV	Long-term value: 1* 0.2** mg/m ³ *dusts and mists; **fume; as Cu

7439-96-5 manganese

PEL	Ceiling limit value: 5 mg/m ³ as Mn
REL	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³ fume, as Mn
TLV	Long-term value: 0.02* 0.1* mg/m ³ as Mn; *respirable **inhalable fraction

- Additional information: The lists that were valid during the creation were used as basis.

8.2 Exposure controls

- Personal protective equipment:
- General protective and hygienic measures:
Wash hands before breaks and at the end of work.
Do not inhale dust / smoke / mist.
- Breathing equipment: Use a suitable industrial gas mask when work-place-limits are exceeded.

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- Protection of hands:
Protective gloves are recommended, depending upon how the semis are further processed.
- Eye protection:
Protective goggles are recommended, depending upon how the semis are further processed.
- Body protection:
Wear suitable protective clothing, depending upon how the semis are further processed.

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

- General Information
- Appearance:

Form:	Solid
Color:	grey to silvery grey
- Odor: Odorless
- Odor threshold: Not determined.
- Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
- Flash point: Not applicable.
- Danger of explosion: Product does not present an explosion hazard.
- Density at 20 °C (68 °F): 2.8 g/cm³ (23.366 lbs/gal) (Lit.)
- Solubility in / Miscibility with

Water:	Not soluble.
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- 9.2 Other information: No further relevant information available.

10 Stability and reactivity

- 10.1 Reactivity: Not applicable.
- 10.2 Chemical stability: Not applicable.
- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity: Based on available data, the classification criteria are not met.
- Primary irritant effect:
 - on the skin: Based on available data, the classification criteria are not met.
 - on the eye: Based on available data, the classification criteria are not met.
- Sensitization: Based on available data, the classification criteria are not met.
- Additional toxicological information:
When used and handled according to specifications, the article does not have any harmful effects to our experience and the information provided to us.

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· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information· **12.1 Toxicity**

· Aquatic toxicity: No further relevant information available.

· **12.2 Persistence and degradability:** No further relevant information available.· **12.3 Bioaccumulative potential:** No further relevant information available.· **12.4 Mobility in soil:** No further relevant information available.

· Additional ecological information

· General notes:

Semi-finished articles from aluminium and aluminium-alloy are not soluble in water.

· **12.5 Results of PBT and vPvB assessment**

· PBT: Not applicable to metals.

· vPvB: Not applicable to metals.

· **12.6 Other adverse effects:** No further relevant information available.**13 Disposal considerations**· **13.1 Waste treatment methods**

· Recommendation: Contact manufacturer for recycling information.

14 Transport information· **14.1 UN-Number**

· DOT, ADR, ADN, IMDG, IATA Void

· **14.2 UN proper shipping name**

· DOT, ADR, ADN, IMDG, IATA Void

· **14.3 Transport hazard class(es)**

· DOT, ADR, ADN, IMDG, IATA

· Class Void

· **14.4 Packing group**

· DOT, ADR, IMDG, IATA Void

· **14.5 Environmental hazards:**

· Marine pollutant: No

· **14.6 Special precautions for user:** Not applicable.· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable.

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15 Regulatory information

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

Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

7429-90-5 aluminium

7440-50-8 copper

7439-96-5 manganese

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity categories

EPA (Environmental Protection Agency)

7440-50-8 copper

D

7439-96-5 manganese

D

TLV (Threshold Limit Value established by ACGIH)

7429-90-5 aluminium

A4

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

Chemical safety assessment void.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific article features and shall not establish a legally valid contractual relationship

Department issuing SDS: Department testing laboratories

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Date of preparation / last revision 09/11/2017 / 2

* Data compared to the previous version altered.