Technical Datasheet

according to regulation (EG) Nr. 1907/2006 (REACH), amended by 2020/878/EU

Aluminium core alloys and clad alloys

Version: 2.0
Replaces version dated: 21.05.2015, Version 1.3

Date of creation: 07.05.2012
Revised on: 28.10.2026

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

1.1 Product identifier

Product name: Aluminium core alloys and clad alloys in the form of sheets, strips, plates or coils

This technical datasheet covers all aluminium alloys in standard and clad applications: 1xxx, 2xxx, 3xxx, 4xxx, 5xxx, 6xxx, 7xxx, 8xxx.

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

Use of the substance/mixture: Aluminium semi-finished product for industrial and commercial subsequent treatment

1.3 Details of the supplier of the safety data sheet

AMAG rolling GmbH
P.O. Box 32
A-5282 Ranshofen

Email address of the competent person responsible for the TDS: reach@amag.at
Tel.: +43 7722 801-0
Website: www.amag-al4u.com

1.4 Emergency telephone number

Poison Control Centre (VIZ): +43 1 406 43 43

SECTION 2: Hazards identification

This product has no dangerous properties according to regulation (EG) Nr. 1272/2008 (CLP), directive 67/548/EWG and directive 1999/45/EG. Therefore a regularly safety datasheet according to regulation (EG) 1907/2006 (REACH) is not required.

Other possible hazards: Processing of the product may generate combustible dust and, under certain conditions, create a dust explosion hazard.

SECTION 3: Composition/information on ingredients

Chemical composition according to alloy specification (either EN or customer specification).

SECTION 4: First aid measures

After inhalation: Not applicable
After skin contact: Not necessary
After eye contact: Not applicable
After ingestion: Not applicable

SECTION 5: Firefighting measures

The product is non-flammable. Use extinguishing media and firefighting methods appropriate for the surrounding fire conditions.
Solid aluminium products are classified as reaction to fire Class A1 in accordance with Commission Decision 96/603/EC and its amendment 2000/605/EC. The products listed do not require testing, cannot catch fire and release no smoke.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable

6.2 Environmental precautions

Not applicable

6.3 Methods and material for containment and cleaning up

Not applicable

6.4 Reference to other sections

Not applicable

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on general occupational hygiene shall be provided, such as

(a) not to eat, drink and smoke in work areas;

(b) to wash hands after use;

(c) to remove contaminated clothing and protective equipment before entering eating areas

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry area. Avoid generation of dust or fine particles. Do not store together with acids, alkalis or halogenated hydrocarbons. Reacts with acids and alkalis to generate hydrogen.

7.3 Specific end uses

Except for uses specified in section 1.2 no further specific uses have been identified.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Good industrial hygiene practice should be followed, including reduction of airborne exposures to the lowest feasible level for all constituents of this product. In case of generation of dust and fumes from mechanical and/or hot processing: national exposure limits for all ingredients should be considered (see pt. 3).

8.2 Exposure controls

No specific personal protection measures are required.

SECTION 9: Physical and chemical properties

Type:	Flat rolled product in the form of plates, sheets, strips or coils
Colour:	silver-grey (even when solid metal is hot)
Odour:	Odourless
Range of solidification:	510–660°C (depends on the chemical composition of alloy)
Boiling point/range:	approx. 2.500°C (Al)

Thermal expansion coefficient:	22-24.1 x 10^6 (depends on temperature and alloying elements)
Thermal conductivity:	70-232 W/mK (depends on temperature and alloying elements)
Combustion heat:	31 mJ/kg
(Water) solubility (20°C):	Almost insoluble
Vapour pressure:	Not applicable
Relative density (25°C):	approx. 2.7 g/cm³ (Al)
Relative vapour density:	- (only applies to gases and liquids)
Particle characteristics:	Not available

SECTION 10: Stability and reactivity

10.1 Reactivity

Not applicable.

10.2 Chemical stability

Not applicable.

10.3 Possibility of hazardous reactions

Reactions with strong acids and alkali hydroxides, avoid contact.

10.4 Conditions to avoid

Extreme heat.

10.5 Incompatible materials

Not applicable.

10.6 Hazardous decomposition products

Not applicable.

SECTION 11: Toxicological information

Not applicable.

SECTION 12: Ecological information

Not applicable.

SECTION 13: Disposal considerations

Collect scrap for remelting.

SECTION 14: Transport information

No restriction as product has no dangerous properties.

SECTION 15: Regulatory information

Product has no dangerous properties.

SECTION 16: Other information

Changes since last revision:

Version	Date	Changes
1.1 / EN	2012-05-07	New datasheet according to REACH regulation generated
1.2 / EN	2013-06-20	Update of Pt. 3. and 8
1.3 / EN	2015-05-21	Update of Pt. 2
2.0 / EN	2026-10-28	Review and update of section 1, 2, 3, 5, 7, 8, 9

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