

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY**1.1 Product identifier:**

Product name: aluminium core alloys and clad alloys in form of sheet, plate

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:

Identified uses: Aluminium semi-finished product for industrial and commercial subsequent treatment

1.3 Details of the supplier of the safety data sheet:

Producer/Supplier: AMAG rolling GmbH
Postfach 32
A-5282 Ranshofen
Tel.: 0043/7722/801-0

E-Mail: reach@amag.at

1.4 Emergency telephone number

Hours of operation: Monday to Friday (8am – 5pm)
Tel.No.: +437722- 801- 0

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: if dust is generated during processing of the product, the possibility of dust explosion hazard is given.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition according alloying designation

Only for information, chemical composition DIN EN 1676

Besides the alloying metals, the product can contain traces of metals like beryllium, nickel, lead, chromium etc. in contents under the limits which would lead to a classification as hazardous.

4. FIRST AID MEASURES**4.1 Description of first aid measures:**

After inhalation: not applicable

After skin contact: not necessary

After eye contact: not applicable

After ingestion: not applicable

5. FIREFIGHTING MEASURES

The product is not flammable. Use fire fighting methods and materials that are appropriate for surrounding fire. The product aluminium (sheets, plates, coils) is considered to satisfy the requirements for performance class A1 of the characteristic reaction to fire, in accordance with the provisions of EC decision 2000/605/EC without the need for testing on the basis of the listening of their materials in that decision

6. ACCIDENTIAL 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

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; and
- (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, caustics or halogenated hydrocarbons. Reacts with acids and caustics to generate hydrogen.

7.3 Specific end use:

Except the information as required in subsection 1.2 no further specific final's applications are provided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters, occupational exposure limits

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Following good industrial hygiene practice, which includes reducing airborne exposures to the lowest feasible level for all constituents in this product, is recommended. In case of generating dust and fumes from mechanical and/or hot processing: consider national exposure limits for all ingredients (see pt. 3)

8.2 Exposure controls

no special individual protection measures are necessary

9. PHYSICAL AND CHEMICAL PROPERTIES

Type:	flat rolled product in form of plate, sheet or coil
Colour:	silvery or silver grey
Odour:	odourless
Density (20°C):	2.6 – 2.8 kg/dm ³ (depends on the chemical composition)
Range of solidification:	510 -657°C (depends on the chemical composition)
Boiling point:	approx. 2500°C
Thermal expansion coefficient:	22 – 24.1 x 10 ⁶ 1/K (depends on temperature and alloying materials)
Thermal conductivity:	70 – 232 W/m x K
Combustion heat:	31 mJ/kg
Solubility in water:	almost insoluble
Solubility in acids and alkalines:	soluble with generation of hydrogen in strong acids and alkalines (except oxidising acids).
Dangerous reactions:	Danger of explosion when molten aluminium gets in contact with water (sudden violent release of steam; special risks from the substance, its combustion products or hot gases).

10. STABILITY AND REACTIVITY

10.1 Reactivity:
not applicable

10.2 Chemical stability:
not applicable

10.3 Possibility of hazardous reactions:
Avoid contact with acids and caustics.

10.4 Conditions to avoid
extreme heat

10.5 Incompatible materials
not applicable

10.6 Hazardous decomposition products
not applicable

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11. TOXICOLOGICAL INFORMATION

not applicable

12. ECOLOGICAL INFORMATION

not applicable

13. DISPOSAL CONSIDERATIONS

Collect scrap for remelting.

14. TRANSPORT INFORMATION

No restrictions, because product is no dangerous medium.

15. REGULATORY INFORMATION

This product has no dangerous properties.

16. OTHER INFORMATION**Changes since the 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

All information is based on our present state of knowledge. Information, however, does not guarantee any product quality or product liability and does not cause any (quasi-) contractual relationship.