

Rev 03-09-04

Material Safety Data Sheet
According to 91/155 EEC

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27012-2050

Printing date 23.01.2004

Reviewed on 23.01.2004

1 Identification of substance:**Product details:**Trade name: *Aluminium foil 0,006-0,030 mm soft*Application of the substance / the preparation: *Aluminium strip foil for manufacturing of laminates.***Manufacturer/Supplier:**

Alcan Deutschland GmbH

Ladenscheld works

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Informing department: *Technical department.*Emergency information: *Dr. Dlrnberger***2 Composition/Data on components:****Chemical characterization**Description: *Aluminium EN AW-1200 and Aluminium EN AW-8079*Dangerous components: *None*Additional information: *For the wording of the listed risk phrases refer to section 16.***3 Hazards identification**Hazard designation: *none*Information pertaining to particular dangers for persons and environment: *none*

Classification system:

*The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.***4 First aid measures**General information: *No special measures required.*After inhalation: *Under normal circumstances not possible.*

After skin contact:

*The product is generally not skin irritating. Beware of sharp edges - cuts or even slashes can occur.**In severe cases consult a physician.*After eye contact: *Under normal circumstances not possible.*After swallowing: *Under normal circumstances not possible.***5 Fire fighting measures**Suitable extinguishing agents: *Dry sand or class D dry powder.*

For safety reasons unsuitable extinguishing agents:

Do not use water, extinguishing foam, CO₂ or halome, they can react with burning aluminium

Special hazards caused by the material, its products of combustion, or resulting gases:

*Burning aluminium can react with water under formation of hydrogen gas.*Protective equipment: *No special measures required***6 Accidental release measures**Person-related safety precautions: *Not required.*Measures for environmental protection: *No special measures required.*

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Trade name: **Aluminium foil-0,006-0,030**
non soft

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Measures for cleaning/collecting: Collect mechanically.
Additional information: No dangerous materials are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
- **Normal storage conditions:** dry and at room temperature
- **Information about storage in one common storage facility:**
- **Do not store together with strong alkaline and acidic or oxidizing materials.**
- **Further information about storage conditions:** Protect from humidity and keep away from water.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see Item 7.
- **Components with limit values that require monitoring at the workplace:**
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
 The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:**
 To avoid cuts on hands and legs, it is recommended to wear cut resistant gloves and leg protection during unwinding of the coated Aluminium rolls.
- **Material of gloves**
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material:** Not required.
- **Eye protection:** Where contact may occur, wear safety glasses with side shields.
- **Body protection:** Use adequate protective clothing to avoid cut injuries.

9 Physical and chemical properties:

General Information

Form:	Web
Colour:	Silver grey
Odour:	Odourless

- **Change in conditions**
Melting point/Melting range: 658°C
Boiling point/Boiling range: Not determined

Flash point: Not applicable

Self-ignitability: Product is not selfigniting.

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mm; soft

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- Danger of explosion: Product is not explosive.

- Density at 20°C: 2.7 g/cm³

Solubility in / Mixability with Water: Insoluble

Solvent content:
Organic solvents: 0.00 %
Water: 0.00 %

- Solids content: 100.0 %

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.

Dangerous reactions

Aluminium can react under certain conditions with acids, bases, alcohols and water under formation of hydrogen gas.

The product is not capable of dust explosion in the form supplied; an enrichment with fine dust creates a risk of dust explosion.

- Dangerous products of decomposition:

When used according to specifications, no dangerous products of decomposition are formed.

11 Toxicological information**- Acute toxicity:****- Primary irritant effect:**

to the skin: No irritant effect known.

to the eyes: No irritant effect known.

- Sensitization: No sensitizing effect known.

- Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The material is not subject to classification according to EC lists in the last version.

12 Ecological information:

- General notes: Generally not hazardous for water.

13 Disposal considerations**- Product:**

Recommendation: Can be re-used after processing.

- European waste catalogue

12 01 03 non-ferrous metal filings and turnings

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Trade name: *Aluminium foil 0,006 -0,030 mm soft*

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- *Uncleaned packagings:*
- *Recommendation: Disposal must be made according to official regulations.*

14 Transport information

- *Land transport ADR/RID (cross-border)*
- *ADR/RID-GGVS/E Class: -*
- *UN-Number:*
- *Packaging group:*

- *Maritime transport IMDG:*
- *IMDG Class:*

- *Air transport ICAO-TI and IATA-DGR:*
- *ICAO/IATA Class:*

15 Regulatory information

- *Designation according to EC guidelines:*
Observe the normal safety regulations when handling chemicals
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV)
- *National regulations*
Decree to be applied in case of technical fault: Does not apply.
- *Water hazard class: Generally not-hazardous for water.*

16 Other information:

- *These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*
- *Department issuing data specification sheet: Technical department.*
- *Contact: Dr. Dirnberger*