

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.11.2012

Revision no. 1

Revision: 27.11.2012

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** **AL 6N5**
- **Article number:** 120341
- **EC number:**  
231-072-3
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** For chemical/technical use.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
AZELIS  
Posthofbrug 12, box 6  
B-2600 Antwerp  
Belgium
- **Further information obtainable from:**  
Azelis  
E mail: [sds@azelis.com](mailto:sds@azelis.com)
- **Emergency telephone number:**  
+ 33 (0) 1 44 73 10 02 ( Carechem 24\*7 )  
For China: + 86 1051003039  
For India: +65 31581198  
For advice on chemical emergencies, spillages, fires or First Aid  
National emergency telephone number :  
Czech Republic: Toxikologické informační středisko (TIS), Klinika nemocí z povolání, Na Bojišti 1,  
128 08 Praha 2, Tel – nonstop: + 420 224 919 293, + 420 224 915 402  
France : Orfila 01.45.42.59.59  
Netherlands: National vergiftigingen info centrum: 030-2748888  
Denmark Giftlinien +45 82 12 12 12  
Sverige +46 08-33 12 31  
Norge Giftcentralen +47 22 59 13 00  
Schweizerisches Toxikologisches Informationszentrum Telefon +41 145  
Finland: Myrkytystietokeskus, puh. 09-471977 tai 09-4711/Myrkytystietokeskus  
Vergiftungsinformationszentrale Wien Telefon +43 1 4064343  
Núdzové telefónne číslo: Národné toxikologické informačné centrum, tel: 02/ 5477 4166  
Romania: BIROUL PT REGULAMENTUL SANITAR INTERNATIONAL SI INFORMARE  
TOXICOLOGICA: +4021 318 36 06

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is in line with current EC lists. It is extended, by information from technical literature and company information.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void

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- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
7429-90-5
- **Identification number(s)**
- **EC number:** 231-072-3

- **Additional information:**

CAS: 7429-90-5	Aluminium (Al)	100%
EINECS: 231-072-3		
RTECS: BD 0330000		

### 4 First aid measures

- **Description of first aid measures**
- **General information:** Seek medical treatment in case of complaints.
- **After inhalation:**  
Ventilate the premise.  
Remove victim immediately from source of exposure.  
Supply fresh air.  
Seek medical treatment in case of complaints.  
Place unconscious person on the side in the recovery position and ensure breathing.
- **After skin contact:** Wash affected area with plenty of water and soap.
- **After eye contact:**  
Remove contact lenses.  
Promptly wash eyes with plenty of water while lifting the eye lids.  
Continue to rinse for 10 minutes.
- **After swallowing:**  
Seek a medical examination immediately and present the Safety Data Sheet.  
Administer activated charcoal suspended in water or liquid paraffin medicine  
Seek medical treatment in case of complaints.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Special powder for metal fires.
- **For safety reasons unsuitable extinguishing agents:** Water
- **Special hazards arising from the substance or mixture**  
In case of thermal decomposition fumes may contain:

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Carbon oxides

- **Advice for firefighters**
- **Protective equipment:**  
In the event of fire and/or explosion do not breathe fumes.  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear necessary protective equipment.
- **Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**  
Limit the leakages with earth or sand.  
The product might be absorbed by inert material.  
Send for disposal in a suitable container  
Dispose of the material collected according to regulations.
- **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

- **Handling:**
- **Precautions for safe handling**  
Usual safety precautions should be observed to ensure safe handling.  
Ensure good ventilation/exhaustion at the workplace.  
Avoid inhalation of vapours.  
Smoking, eating and drinking should be prohibited in the application area.
- **Information about fire - and explosion protection:**  
Normal measures for preventive fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Keep container tightly sealed.  
Store in dry conditions.  
Store receptacle in a well ventilated area.
- **Information about storage in one common storage facility:**  
Acids  
Bases
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
See section: Additional Occupational Exposure Limit Values

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· **Additional Occupational Exposure Limit Values for possible hazards during processing:**

Aluminium powder (pyrophoric)  
TLV-TWA: 9.06 ppm - 10 mg/m<sup>3</sup>

· **Additional information:**

Use engineering controls to reduce air contamination.  
This is based on data that was valid at the time of writing.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
Ensure adequate ventilation.  
Do not eat, drink or smoke while working.  
Wash hands before breaks and at the end of work.  
Provide eyewash station.

· **Respiratory protection:**



Use specified dust masks.

Filter P2

NIOSH or European Standard EN 149 approved respirator

· **Protection of hands:**



Protective gloves.

DIN/EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

(EN 166)

· **Body protection:** Wear suitable protective clothing.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

<b>Form:</b>	Solid
<b>Colour:</b>	silver
· <b>Odour:</b>	Odourless
· <b>Odour threshold:</b>	Not determined.

· <b>pH-value:</b>	Not applicable.
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· <b>Change in condition</b>	
Melting point/Melting range:	660.1 °C
Boiling point/Boiling range:	2467 °C
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gaseous):</b>	Not determined.
· <b>Ignition temperature:</b>	
Decomposition temperature:	Undetermined.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	2.699 g/cm <sup>3</sup>
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Stable under normal conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**
  - Acids.
  - Bases.
- **Hazardous decomposition products:** Metal oxide

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** mechanical irritation possible.
- **ingestion:** No specific health warnings noted.
- **inhalation:** No specific health warnings noted.

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- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Avoid transfer into the environment.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation** Dispose of in accordance with Local Authority requirements.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

· <b>UN-Number</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.

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· **UN "Model Regulation":**

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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard statements** Please refer section 2.
- **National regulations:**
- **Information about limitation of use:**  
*Employment restrictions concerning juveniles must be observed.*
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

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

- **Department issuing SDS:** Q&SHE
- **Contact:** sds@azelis.com
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)

GB