

Safety data sheet

According to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 2015/830

Printing date 25.06.2018

Revision no. 1

Revision: 25.06.2018

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

- **1.1 Product identifier**
- **Trade name:** *Al 6N5 - 10g - Dia 12 x L 33 mm - Individually Packed*
- **Article number:** 203292
- **CAS Number:**
7429-90-5
- **EC number:**
231-072-3
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** *For chemical/technical use.*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
AZELIS
Posthofbrug 12, box 6
B-2600 Antwerp
Belgium
- **For further information or SDS requests please contact:**
Azelis
E mail: sds@azelis.com
- **1.4 Emergency telephone number:**
MULTI LINGUAL EMERGENCY NUMBER (Carechem 24*7)
EUROPE: + 33 (0) 1 44 73 10 02
USA: +1 866 928 0789 (Toll free)
CHINA: + 86 1051003039
INDIA: +65 31581198

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The substance 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 statements** *Void*
- **2.3 Other hazards** *Dust could form explosive mixture with air.*
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

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(Contd. on page 2)

Safety data sheet

According to 1907/2006/EC, Article 31, amended by
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Trade name: Al 6N5 - 10g - Dia 12 x L 33 mm - Individually Packed

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

CAS No. Description

7429-90-5

Identification number(s)

EC number: 231-072-3

Additional information:

CAS: 7429-90-5

EINECS: 231-072-3

RTECS: BD 0330000

Aluminium (Al)

≤100%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Consult a physician.

Show this safety data sheet to the doctor in attendance

After inhalation:

Supply fresh air.

If not breathing, give artificial respiration.

Seek medical treatment in case of complaints.

After skin contact:

After contact with skin, wash immediately with plenty of water and soap.

Seek medical treatment.

After eye contact:

Remove contact lenses.

Flush eyes with plenty of water.

If irritation persist seek medical advice

After swallowing:

Never give an unconscious person anything through the mouth.

Rinse mouth with water

Seek medical treatment in case of complaints.

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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Water spray

Alcohol resistant foam

Dry chemical

Carbon dioxide

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Aluminium oxide

(Contd. on page 3)

Safety data sheet
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Revision no. 1

Revision: 25.06.2018

Trade name: Al 6N5 - 10g - Dia 12 x L 33 mm - Individually Packed

(Contd. of page 2)

- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Evacuate personnel to safe areas
Avoid formation of dust.
Avoid breathing (dust, vapor, mist, gas).
Ensure adequate ventilation
Do not eat, drink or smoke while working.
- **6.2 Environmental precautions:**
Do not empty in to drains
Avoid spreading into the environment.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Stop leak if safe to do so.
Sweep up and shovel into suitable containers for disposal.
Send for disposal in a suitable container
Dispose of the material collected 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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Usual safety precautions should be observed to ensure safe handling.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
- **Information about fire - and explosion protection:**
Normal measures for preventive fire protection.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in dry conditions.
Store in a well-ventilated place.
Store under inert gas.
Protect from air.
Protect from moisture.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

GB

(Contd. on page 4)

Safety data sheet

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Printing date 25.06.2018

Revision no. 1

Revision: 25.06.2018

Trade name: Al 6N5 - 10g - Dia 12 x L 33 mm - Individually Packed

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 7429-90-5 Aluminium (Al)

WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
AGW (Germany)	Long-term value: 1.25* 10** mg/m ³ 2(II);*alveolengängig**einatembare; AGS, DFG
PEL (USA)	Long-term value: 15*; 5** mg/m ³ *Total dust; ** Respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ as Al*Total dust**Respirable/pyro powd./welding f.
TLV (USA)	Long-term value: 1* mg/m ³ as Al; *as respirable fraction

· **Additional information:** Use engineering controls to reduce air contamination.

· 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Handle in accordance with good industrial hygiene and safety practice.

Ensure adequate ventilation.

Do not eat, drink or smoke while working.

Wash hands before breaks and at the end of work.

Eyewash and safety shower facilities should be available when handling this product.

· **Respiratory protection:**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



Wear respirator if there is dust formation.

· **Protection of hands:**



Protective gloves.

DIN/EN 374

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

· **Material of gloves**

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

(Contd. on page 5)

Safety data sheet

According to 1907/2006/EC, Article 31, amended by
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Printing date 25.06.2018

Revision no. 1

Revision: 25.06.2018

Trade name: Al 6N5 - 10g - Dia 12 x L 33 mm - Individually Packed

(Contd. of page 4)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

· **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:**



Tightly sealed goggles

(EN 166)

· **Body protection:**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form:

Pellets

Colour:

no data available

· **Odour:**

Not determined.

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

Melting point/freezing point:

660.4 °C

Initial boiling point and boiling range:

2460 °C

· **Flash point:**

No data.

· **Flammability (solid, gas):**

May form combustible dust concentrations in air

· **Decomposition temperature:**

Undetermined.

· **Auto-ignition temperature:**

Not determined.

· **Explosive properties:**

No data available

· **Explosion limits:**

Lower:

Not determined.

Upper:

Not determined.

· **Vapour pressure:**

Not applicable.

· **Density:**

Not determined.

· **Relative density**

2.700

· **Vapour density**

Not applicable.

· **Evaporation rate**

Not applicable.

(Contd. on page 6)

Safety data sheet

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Regulation (EU) No. 2015/830

Printing date 25.06.2018

Revision no. 1

Revision: 25.06.2018

Trade name: Al 6N5 - 10g - Dia 12 x L 33 mm - Individually Packed

(Contd. of page 5)

- | | |
|--|--|
| · Solubility in / Miscibility with water: | Insoluble. |
| · Partition coefficient: n-octanol/water: | Not determined. |
| · Viscosity: | |
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored 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:** Oxidizing agents.
- **10.6 Hazardous decomposition products:**
Hazardous decomposition products formed under fire conditions.
Aluminium oxide

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Mechanical irritation possible.
- **ingestion:** No specific health warnings noted.
- **inhalation:** No specific health warnings noted.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 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.

(Contd. on page 7)

Safety data sheet

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Regulation (EU) No. 2015/830

Printing date 25.06.2018

Revision no. 1

Revision: 25.06.2018

Trade name: AI 6N5 - 10g - Dia 12 x L 33 mm - Individually Packed

(Contd. of page 6)

- **Additional ecological information:**
- **General notes:**
Avoid transfer into the environment.
Water hazard class 1 (German Regulation): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Offer surplus and non-recyclable solutions to a licensed disposal company.
Dispose of in accordance with Local Authority requirements.
- **Uncleaned packaging:**
- **Recommendation:**
Dispose of as unused product
Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|--|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR/RID/ADN, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR/RID/ADN, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR/RID/ADN, ADN, IMDG, IATA · Class | Void |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR/RID/ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: | Not applicable. |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user | Not applicable. |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · Transport/Additional information: | Not dangerous according to the above specifications. |
| <ul style="list-style-type: none"> · UN "Model Regulation": | Void |

GB

(Contd. on page 8)

Safety data sheet
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Trade name: Al 6N5 - 10g - Dia 12 x L 33 mm - Individually Packed

(Contd. of page 7)

SECTION 15: Regulatory information

- **15.1 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.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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:** SHEQ
- **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 Harmonised 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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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