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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Commercial Product Name : ALUMINIUM
 Chemical name of the substance : Aluminium
 REACH Registration Number : 01-2119529243-45-0098
 EC No : 231-072-3
 CAS no : 7429-90-5

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

Specific use(s) : Alloy ,
 particulate ,
 powder ,
 Article ,
 Recycling ,
 Welding ,
 Spraying ,
 Packaging material ,
 Molten form ,
 Coating .

1.3. Details of the supplier of the safety data sheet

Company : Trafigura Beheer BV
 Gustav Mahlerplein 102, ITO Tower - 20th Floor
 1082 MA-Amsterdam, The Netherlands

 Tel.:+31 20 504 1852
 E-mail address:TrafiguraReach@trafigura.com

1.4. Emergency telephone number

Emergency telephone number : +32 3 575 03 30(This telephone number is available 24 hours per day, 7 days per week.)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008

CLP-Classification : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not classified


2.1.2. Classification according to EU Directives 67/548/EEC or 1999/45/EC

Classification : The product is non-dangerous in accordance with Directive 67/548/EEC.

Not classified

2.2 Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

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No labelling applicable

2.2.2. Labelling according to Directives (67/548/EEC - 1999/45/EC)

2.3. Other hazards

Other hazards not contributing to the classification : Risk of dust explosion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Aluminium	(CAS no) 7429-90-5 (EC No) 231-072-3 (EC Index) - (REACH-no) 01-2119529243-45	>= 95	
Substance name	Product identifier	%	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
Aluminium	(CAS no) 7429-90-5 (EC No) 231-072-3 (EC Index) - (REACH-no) 01-2119529243-45	>= 95	

For the full text of R- and H-phrases in this section, see section 16.

3.2. Mixtures

Not applicable


4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	: Keep at rest. Move to fresh air. Consult a physician if necessary.
Skin contact	: Wash off with plenty of water. If skin irritation persists, call a physician.
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion	: Rinse mouth. Consult a physician if necessary.
Additional advice	: Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	: as offered : This product has no known adverse effect on human health. AFTER INHALATION OF DUST: May be irritating.
Skin contact	: No adverse effects are expected.
Eye contact	: No adverse effects are expected. Dust contact with the eyes can lead to mechanical irritation.
Ingestion	: No adverse effects are expected.

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4.3. Indication of immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

- Suitable extinguishing media : Solid form : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. powdered form : Dry powder (Type D), Dry sand .
- Extinguishing media which shall not be used for safety reasons : High volume water jet, Halogenated compounds

5.2. Special hazards arising from the substance or mixture

- Specific hazards : In molten state: Reacts violently with water. , metallic oxides . Melting alone may cause steam explosion on contact with water. Possible decomposition products are: AlOx Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3. Advice for firefighters

- Special protective equipment for fire-fighters : Wear personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions : Wear personal protective equipment. See also section 8 . Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition.

6.2. Environmental precautions

- Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

- Methods for cleaning up : Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling


- Handling : Wear personal protective equipment. See also section 8 Keep away from open flames, hot surfaces and sources of ignition. Avoid dust formation. Ensure adequate ventilation. During handling operations: Do not breathe vapours/dust.

7.2. Conditions for safe storage, including any incompatibilities

- Storage : Keep tightly closed in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Keep away from open flames, hot surfaces and sources of ignition.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.3. Specific end use(s)

- Specific use(s) : Alloy , particulate , powder , Article , Recycling , Welding , Spraying , Packaging material , Molten form , Coating .

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Component	: Aluminium (7429-90-5)
TLV-TWA (mg/m ³)	: 5 (Belgium, United Kingdom, Norway, Lithuania); 10 (Greece, Spain, Estonia, France); 2 (Bulgaria, Sweden); 6 (Hungary)

8.2. Exposure controls

Respiratory protection	: not required under normal use . Avoid dust formation. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. (EN 137). Effective dust mask. (EN 149), Respirator with a full face mask (EN 136), Respirator with a half face mask (EN 140), Recommended Filter type: P (EN 143).
Hand protection	: not required under normal use . Protective gloves (EN 388, EN 407)
Eye protection	: not required under normal use . Safety glasses with side-shields (EN 166, EN 407)
Skin and body protection	: Overalls, apron and boots recommended. The molten product can cause serious burns. Flame retardant antistatic protective clothing
Engineering measures	: Use only in area provided with appropriate exhaust ventilation. Ensure that eyewash stations and safety showers are close to the workstation location. Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors.
Environmental exposure controls	:

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	: solid
Colour	: no data available
Odour	: no data available
pH	: not applicable
Boiling point/boiling range	: ~ 2467 °C
Melting point/range	: ~ 660 °C
Flash point	: not applicable
Explosion limits	: not applicable
Oxidizing properties	: not applicable
Water solubility	: insoluble
Density	: ~ 2,702 g/cm ³ (20°C)


9.2. Other information

No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	: See also section 10.5
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10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Conditions to avoid : Keep away from heat and sources of ignition. Exposure to moisture.

10.5. Incompatible materials

Incompatible materials : Incompatible with acids and bases. Oxidizing agent .

10.6. Hazardous decomposition products

Hazardous decomposition products : AlOx

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General Information

Acute toxicity

Acute toxicity : No data is available on the product itself.

Inhalation : as offered : This product has no known adverse effect on human health.
AFTER INHALATION OF DUST: May be irritating.

Skin contact : No adverse effects are expected.

Eye contact : No adverse effects are expected. Dust contact with the eyes can lead to mechanical irritation.

Ingestion : No adverse effects are expected.

Chronic toxicity

Chronic toxicity : No adverse effects are expected.

Further information

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity effects : not hazardous

12.2. Persistence and degradability

Persistence and degradability : No data is available on the product itself.

12.3. Bioaccumulative potential

Bioaccumulation : No data is available on the product itself.


12.4. Mobility in soil

Mobility : insoluble

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

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No data available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products : Dispose of in accordance with local regulations. Do not let product enter drains.

Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC) : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. TRANSPORT INFORMATION

No transport regulation applicable

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Authorisations (REACH) : Not applicable.

15.1.2. National regulations

WGK : nwg

15.2. Chemical Safety Assessment

Chemical Safety Assessment : A Chemical Safety Assessment has been carried out for this substance.

16. OTHER INFORMATION

Sources of key data used to compile the datasheet : European Chemicals Bureau

Safety datasheet sections which have been updated: : 1,2,8,15,16

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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