	<b>SAFETY DATA SHEET</b>	Page : 1/ 7
		Revision nr : 3
	<b>ALLOYs: "ALSi7 MG (Fe 0.10)" &amp; "ALSi7 Sr (Fe 0.12)"</b>	Issuing date : 02/02/2011
		Supersedes : 23/04/2009

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

### 1.1. Product identifier

Commercial Product Name : ALLOYs: "ALSi7 MG (Fe 0.10)" & "ALSi7 Sr (Fe 0.12)"  
 REACH Registration Number : Aluminium: 01-2119529243-45-0098

### 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.

Mixture: CLP classification not requested

#### **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**

No labelling applicable

Mixture: CLP classification not requested

	<b>SAFETY DATA SHEET</b>	Page : 2/ 7
		Revision nr : 3
	<b>ALLOYS: "ALSi7 MG (Fe 0.10)" &amp; "ALSi7 Sr (Fe 0.12)"</b>	Issuing date : 02/02/2011
		Supersedes : 23/04/2009

## 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

Not applicable

### 3.2. Mixtures

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	91 - 92	
Silicium	(CAS no) 7440-21-3 (EC No) 231-130-8	0,1 - 0,12	

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	91 - 92	
Silicium	(CAS no) 7440-21-3 (EC No) 231-130-8	0,1 - 0,12	

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


## 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.

	<b>SAFETY DATA SHEET</b>	Page : 3/ 7
		Revision nr : 3
	<b>ALLOYs: "ALSi7 MG (Fe 0.10)" &amp; "ALSi7 Sr (Fe 0.12)"</b>	Issuing date : 02/02/2011
		Supersedes : 23/04/2009

#### **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 .

	<b>SAFETY DATA SHEET</b>	Page : 4/ 7
		Revision nr : 3
	<b>ALLOYS: "ALSi7 MG (Fe 0.10)" &amp; "ALSi7 Sr (Fe 0.12)"</b>	Issuing date : 02/02/2011
		Supersedes : 23/04/2009

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Component** : **Silicium (7440-21-3)**

TLV-TWA (mg/m<sup>3</sup>) : 10

TLV-STEL (mg/m<sup>3</sup>) : 15

**Component** : **Aluminium (7429-90-5)**

TLV-TWA (mg/m<sup>3</sup>) : 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	:	~ 2519 °C
Melting point/range	:	740-750 °C
Flash point	:	not applicable
Explosion limits	:	not applicable
Oxidizing properties	:	not applicable
Water solubility	:	insoluble
Density	:	2,66-2,67 g/cm <sup>3</sup> (20°C)

### 9.2. Other information

No data available

	<b>SAFETY DATA SHEET</b>	Page : 5/ 7
		Revision nr : 3
	<b>ALLOYs: "ALSi7 MG (Fe 0.10)" &amp; "ALSi7 Sr (Fe 0.12)"</b>	Issuing date : 02/02/2011
		Supersedes : 23/04/2009

## 10. STABILITY AND REACTIVITY

### **10.1. Reactivity**

Reactivity : See also section 10.5

### **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**

	<b>SAFETY DATA SHEET</b>	Page : 6/ 7
		Revision nr : 3
	<b>ALLOYs: "ALSi7 MG (Fe 0.10)" &amp; "ALSi7 Sr (Fe 0.12)"</b>	Issuing date : 02/02/2011
		Supersedes : 23/04/2009

Mobility : insoluble

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Other adverse effects**

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 : no

**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.

	<b>SAFETY DATA SHEET</b>	Page : 7/ 7
		Revision nr : 3
	<b>ALLOYs: "ALSi7 MG (Fe 0.10)" &amp; "ALSi7 Sr (Fe 0.12)"</b>	Issuing date : 02/02/2011
		Supersedes : 23/04/2009

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