

MSDS : ALUMINIUM 1050 (99.5)

**ALUMINIUM 1050 (99.5)****1 - Identification of the article and of the company:****1.1 Product identifier**Trade Name: **ALUMINIUM AI 1050 (99.5)****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the article: semi-finished product

**1.3 Details of the supplier of safety data sheet**

Manufacturer/Supplier:

ROBERT LAMINAGE SA

La Jaluse

CH-2400 LE LOCLE

**Phone:** +41 32 933 91 91**Fax:** +41 32 933 91 89E-mail/Internet: info@robertlaminage.ch [www.robertlaminage.ch](http://www.robertlaminage.ch)**1.4 Information in case of emergency:**

Tox Info Suisse

From Switzerland: call 145

From abroad: call +41 44 251 51 51

Remarks for information sheet: Semi-finished products from aluminium and aluminium-alloy are articles according to Regulation (EC) No. 1907/2006 (REACH Regulation).

For articles there is no legal obligation to issue a safety data sheet. However, to be able to provide information typically included in a safety data sheet also for articles, the present information sheet for articles has been worked out.

We expressly point out that the information sheet for articles is a voluntarily issued information sheet which is not subject to the formal requirements of the REACH Regulation.

**2 - Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 (CLP-Regulation):

For products there is no obligation to classify acc. to CLP -Regulation.

The product 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-determining components of labelling: Void

Hazard statements: Void

**2.3 Other hazards**

Results of PBT and vPvB assessment

PBT: Not applicable to metals

vPvB: Not applicable to metals.

MSDS : ALUMINIUM 1050 (99.5)

**3 - Composition/information on ingredients**

**3.2. Chemical characterisation: Mixtures**

Description: Metal in compact form.  
 Material code (DIN CEN/TS 13388:2015-08): Al1050  
 Material number (DIN CEN/TS 13388:2015-08): 3.0255  
 UNS-number: A91050  
 Information:

The classifications mentioned below reflect the respective pure substance and are for information only.  
 Aluminium alloys are special preparations according to Regulation (EC) 1907/2006 (REACH Regulation).  
 The classification of a pure substance is not applicable to its use as element of an aluminium alloy.

Alloy components:				
Chemical Element	% Weight (max)	N° CAS	N° EINECS	Others information
Al	99.5%	7429-90-5	231-072-3	Flam.Sol.1, H228; Water-react.2, H261
Fe	0.00-0.40%	7439-89-6	231-096-4	Flam. Sol. 2 H228
Si	0.00-0.25%	7440-21-3	231-130-8	Flam. Sol. 2 H228
Zn	0.00-0.07%	7440-66-6	231-175-3	Pyr.Sol.1, H250; Water-react.1, H260; Aquatic Chronic1, H410

SVHC	
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**4 - First aid measures**

**4.1. Description of first aid measures**

General information:  
 No special measures required.  
 First Aid information refer to any dust which is generated.  
 After inhalation: Supply fresh air and to be sure call for a doctor.  
 In case of unconsciousness place patient stably in side position for transportation.  
 After skin contact: Immediately wash with water and soap and rinse thoroughly.  
 After eye contact:  
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
 After swallowing: Rinse out mouth and then drink plenty of water.

**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.

MSDS : ALUMINIUM 1050 (99.5)

## 5 - Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing agents:

Non-flammable. Use firefighting measures that suit the environment.

### 5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

### 5.3 Advice for firefighters:

Protective equipment: No special measures required.

### Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

## 6 - Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Not required.

### 6.2 Environmental precautions:

Not required.

### 6.3 Methods and material for containment and cleaning up:

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.

## 7 - Handling and storage

### 7.1 Precautions for safe handling:

No special measures required. · Information about fire - and explosion protection: No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities:

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Further information about storage conditions: None.

### 7.3 Specific end use(s):

No further relevant information available.

## 8 - Exposure controls/personal protection

Additional information to national classifications:

ORRChim, 814.81 (National classification Switzerland)

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

### 8.1. Control parameters

*Date of first publication: November 2018*

*Date of Last Revision: March 2020 Edition*

MSDS : ALUMINIUM 1050 (99.5)

Ingredients with limit values that require monitoring at the workplace:	
<b>7440-66-6 Zinc</b>	
SUVA (Switzerland)	VME 3 mg/m <sup>3</sup> VLE 3 mg/m <sup>3</sup>

Ingredients with limit values that require monitoring at the workplace:	
<b>7429-90-5 Aluminium</b>	
SUVA (Switzerland)	VME 3 mg/m <sup>3</sup> (B)

Ingredients with limit values that require monitoring at the workplace:	
<b>7440-21-3 Silicium</b>	
SUVA (Switzerland)	VME 3 mg/m <sup>3</sup>

Additional Occupational Exposure Limit Values for possible hazards during processing:	
<b>General dust limit (A-alveolar fraction, E-respirable fraction)</b>	
SUVA (Switzerland)	(A) 3mg/m <sup>3</sup> (E) 10mg/m <sup>3</sup>

**8.2. Exposure controls**

Personal protective equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Respiratory protection:

Use a suitable industrial gas mask when work-place-limits are exceeded.

Protection of hands:

Protective gloves are recommended, depending upon how the semis are further processed.

Eye protection:

Protective goggles are recommended, depending upon how the semis are further processed.

Body protection:

Wear suitable protective clothing, depending upon how the semis are further processed.

**9 - Physical and chemical properties**

<b>9.1 Information on basic physical and chemical properties</b>	
General Information	
Appearance:	
Form:	Solid
Colour:	Grey
Odour:	Odourless
Odour threshold:	Not determined
Change in condition	
Melting point/freezing point:	640-660 °C (Lit.)
Initial boiling point and boiling range:	Undetermined.
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Density at 20 °C:	2,71 g/cm <sup>3</sup> (Lit.)
Solubility in / Miscibility with water: -	Not soluble.
<b>9.2 Other information</b>	
No further relevant information available.	

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## 10 - Stability and reactivity

**10.1 Reactivity:** Not applicable.

**10.2 Chemical stability:** Not applicable.  
Thermal decomposition / conditions to be avoided:  
No decomposition if used 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:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## 11 - Toxicological information

General information:  
The solid product does not pose a health hazard if handled properly.

Effect on the skin: No effects  
Effect on eyes: No effects  
Sensitization: No effects

## 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.  
Additional ecological information  
General notes: Semi-finished articles from aluminium and aluminium-alloy are not soluble in water.

**12.5 Results of PBT and vPvB assessment**  
PBT: Not applicable to metals. · vPvB: Not applicable to metals.

**12.6 Other adverse effects:** No further relevant information available.

## 13 - Disposal considerations

**13.1 Waste treatment methods**  
Recommendation: Contact manufacturer for recycling information.

Waste disposal key:  
12 01 03: non-ferrous metal filings and turnings  
16 01 18: non-ferrous metal for non-contaminated waste

MSDS : ALUMINIUM 1050 (99.5)

**14 - Transport information**

<b>14.1 UN-Number</b>	
ADR, ADN, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b>	
ADR, ADN, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b>	
ADR, ADN, IMDG, IATA · Class	Void
<b>14.4 Packing group</b>	
ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b>	Not applicable
<b>14.6 Special precautions for user:</b>	Not applicable
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable

**15 - Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 Chemical safety assessment: void.  
 Directive 2012/18/EU  
 Named dangerous substances - ANNEX I None of the ingredients is listed.  
 Waterhazard class: Generally not hazardous for water.  
 Other regulations, limitations and prohibitive regulations.

Substances of very high concern (SVHC) according to REACH, Article 57	
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**16 - Other information**

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