

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 20.11.2012

Revision no. 1

Revision: 20.11.2012

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

- **Product identifier**
- **Trade name:** Si
- **Article number:** 120429
- **CAS Number:**
7440-21-3
- **EC number:**
231-130-8
- **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
- **Emergency telephone number:**
+ 33 (0) 1 44 73 10 02 (Carechem 24*7)
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**

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2012

Revision no. 1

Revision: 20.11.2012

Trade name: Si

(Contd. of page 1)

- **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**
7440-21-3 silicon
- **Identification number(s)**
- **EC number:** 231-130-8

- **Additional information:**

CAS: 7440-21-3	silicon	substance with a Community workplace exposure limit
EINECS: 231-130-8		

4 First aid measures

- **Description of first aid measures**
- **General information:** Seek medical treatment in case of complaints.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Remove contact lenses.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** 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:**
The product is not combustible.
Use fire extinguishing methods suitable to surrounding conditions.
Special powder for metal fires.
- **For safety reasons unsuitable extinguishing agents:** Water
- **Special hazards arising from the substance or mixture**
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
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.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2012

Revision no. 1

Revision: 20.11.2012

Trade name: Si

(Contd. of page 2)

- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
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 contact with eyes and skin.
- **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:**
Store only in the original receptacle.
Keep in cool, dry, ventilated storage and closed containers.
- **Information about storage in one common storage facility:**
Store away from acids and bases
In contact with alkalis (lyes) can release hydrogen.
- **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:**

7440-21-3 silicon

WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
PEL (USA)	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn

- **Additional information:**
This is based on data that was valid at the time of writing.
Use engineering controls to reduce air contamination to permissible exposure level.
- **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.
Remove and wash contaminated clothing before re-use.
Do not eat, drink or smoke while working.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2012

Revision no. 1

Revision: 20.11.2012

Trade name: Si

(Contd. of page 3)

Provide eyewash station.

- **Respiratory protection:**



Wear respirator if there is dust formation.

NIOSH or European Standard EN 149 approved respirator

- **Protection of hands:**

No specific hand protection noted, but gloves could still be advisable.

DIN/EN 374

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

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **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:**

Form:	solid - compact
--------------	-----------------

Colour:	silver
----------------	--------

- **Odour:** Odourless

- **Odour threshold:** Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

Melting point/Melting range:	1410°C
-------------------------------------	--------

Boiling point/Boiling range:	2355°C
-------------------------------------	--------

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not determined.

- **Ignition temperature:**

Decomposition temperature:	Undetermined.
-----------------------------------	---------------

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower:	Not determined.
---------------	-----------------

Upper:	Not determined.
---------------	-----------------

- **Vapour pressure:** Not applicable.

- **Density:** 2.32 g/cm³

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2012

Revision no. 1

Revision: 20.11.2012

Trade name: Si

(Contd. of page 4)

- | | |
|---|--|
| · Relative density | Not determined. |
| · Vapour density | Not applicable. |
| · Evaporation rate | Not applicable. |
| · Solubility in / Miscibility with water: | Insoluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
Reacts with acids.
Violent reaction with halogens
Reaction with alkalis (lyes): Releases hydrogen
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**
Acids.
Halogens.
lyes

11 Toxicological information

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

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** Product is insoluble in water.
- **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.

GB

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.11.2012

Revision no. 1

Revision: 20.11.2012

Trade name: Si

(Contd. of page 5)

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

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

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)