

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Silica Standard Solution 100ppb

Product no.

A-85.142.500

REACH registration number

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

Relevant identified uses of the substance or mixture

Calibration solution

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

SWAN Analytische Instrumente AG

Studbachstrasse 13

CH-8340 Hinwil

Phone: +41 44 943 63 00

Fax: +41 44 943 63 01

Contact person

Research and Development

E-mail

info@swan.ch

SDS date

2016-06-29

SDS Version

1000.0

1.4. Emergency telephone number

Swiss Toxicological Information Centre

CH-8032 Zürich / Switzerland

Tel.: +41 44 251 51 51 (international)

Use your national or local emergency number

See section 4 "First aid measures"

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

2.2. Label elements

▼ Hazard pictogram(s)

-

▼ Signal word

-

▼ Hazard statement(s)

-

▼ Safety statement(s)	General	-
	Prevention	-
	Response	-
	Storage	-
	Disposal	-

▼ Identity of the substances primarily responsible for the major health hazards

-
▼ **2.3. Other hazards**

-
▼ **Additional labelling**

-
▼ **Additional warnings**

-
▼ **VOC**
-

SECTION 3: Composition/information on ingredients

▼ 3.1/3.2. Substances/Mixtures

NAME:	Water
IDENTIFICATION NOS.:	CAS-no: 7732-18-5 EC-no: 231-791-2
CONTENT:	95-100%
CLP CLASSIFICATION:	NA

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

Other informations

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SECTION 4: First aid measures

4.1. Description of first aid measures

▼ General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

▼ Inhalation

Get the injured person into fresh air. Make sure there is always someone with the injured person. Prevent shock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth resuscitation. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

▼ Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

▼ Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Not applicable

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

No special

▼ 4.3. Indication of any immediate medical attention and special treatment needed

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

▼ 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

▼ 5.2. Special hazards arising from the substance or mixture

No special

▼ **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

▼ **6.1. Personal precautions, protective equipment and emergency procedures**

No specific requirements.

▼ **6.2. Environmental precautions**

No specific requirements.

▼ **6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

▼ **6.4. Reference to other sections**

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

▼ **7.1. Precautions for safe handling**

See section on 'Exposure controls/personal protection' for information on personal protection.

▼ **7.2. Conditions for safe storage, including any incompatibilities**

Always store in containers of the same material as the original.

▼ **Storage temperature**

Refrigerator, 2 to 8°C

▼ **7.3. Specific end use(s)**

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

▼ **OEL**

▼ **DNEL / PNEC**

No data available

8.2. Exposure controls

▼ No control is necessary if the product is used in a normal way.

General recommendations

▼ Observe general occupational hygiene.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

▼ **Exposure limits**

There are no maximum exposure limits for the substances contained in this product.

▼ **Appropriate technical measures**

Take ordinary precautions when using the product. Avoid inhalation of gas or dust.

▼ **Hygiene measures**

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

▼ **Measures to avoid environmental exposure**

No specific requirements.

Individual protection measures, such as personal protective equipment

▼ -

▼ **Generally**

Use only CE marked protective equipment.

▼ **Respiratory Equipment**

NA

▼ **Skin protection**

No specific requirements.

▼ **Hand protection**

No specific requirements.

▼ **Eye protection**

No specific requirements.

SECTION 9: Physical and chemical properties

▼ **9.1. Information on basic physical and chemical properties**

Form	Liquid
Colour	Colourless
Odour	None
pH	5 - 6
Viscosity	No data available.
Density (g/cm ³)	No data available.

▼ **Phase changes**

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.

▼ **Data on fire and explosion hazards**

Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self ignition (°C)	No data available.
Explosion limits (Vol %)	No data available.

▼ **Solubility**

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

▼ **9.2. Other information**

Solubility in fat (g/L)	No data available.
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SECTION 10: Stability and reactivity

▼ **10.1. Reactivity**

No data available

▼ **10.2. Chemical stability**

The product is stable under the conditions, noted in the section on "Handling and storage".

▼ **10.3. Possibility of hazardous reactions**

No special

▼ **10.4. Conditions to avoid**

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

▼ **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

▼ **10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

▼ **Acute toxicity**

Substance	Species	Test	Route of exposure	Result
No data available.				

▼ **Skin corrosion/irritation**

No data available.

▼ **Serious eye damage/irritation**

No data available.

▼ **Respiratory or skin sensitisation**

No data available.

▼ **Germ cell mutagenicity**

No data available.

▼ **Carcinogenicity**

No data available.

▼ **Reproductive toxicity**

No data available.

▼ **STOT-single exposure**

No data available.

▼ **STOT-repeated exposure**

No data available.

▼ **Aspiration hazard**

No data available.

▼ **Long term effects**

No special

SECTION 12: Ecological information

▼ **12.1. Toxicity**

Substance

Species

Test

Duration

Result

No data available.

▼ **12.2. Persistence and degradability**

Substance

Biodegradability

Test

Result

No data available.

▼ **12.3. Bioaccumulative potential**

Substance

Potential bioaccumulation

LogPow

BCF

No data available.

▼ **12.4. Mobility in soil**

No data available

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

No data available

▼ **12.6. Other adverse effects**

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This product is not covered by the regulations on dangerous waste.

▼ **Waste**

EWC code

-

▼ **Specific labelling**

-

▼ **Contaminated packing**

No specific requirements.

SECTION 14: Transport information

14.1 – 14.4

Not listed as dangerous goods under ADR and IMDG regulations.

▼ **ADR/RID**

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

Notes

-

Tunnel restriction code

-

▼ **IMDG**

UN-no.

-

Proper Shipping Name

-

Class

-

PG*

-

EmS

-

MP**

-

Hazardous constituent

-

▼ **IATA/ICAO**

UN-no.

-

Proper Shipping Name

-

According to EC-Regulation 1907/2006 (REACH)

Class -
PG* -

▼ **14.5. Environmental hazards**

-

▼ **14.6. Special precautions for user**

-

▼ **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

▼ **Restrictions for application**

Only for professional users

▼ **Demands for specific education**

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Additional information

-

Sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
EC regulation 1907/2006 (REACH).

▼ **15.2. Chemical safety assessment**

No

SECTION 16: Other information

▼ **Full text of H-phrases as mentioned in section 3**

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The full text of identified uses as mentioned in section 1

-

Other symbols mentioned in section 2

-

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

Admin

**Date of last essential change
(First cipher in SDS version)**

2016-06-29

**Date of last minor change
(Last cipher in SDS version)**

2016-06-29