

SAFETY DATA SHEET

Silica standard solution 50ppb

Version 1.0 Revision 1
Revision Date: 23/08/2021
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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product name : Calibration standard solution (Silica), 50ppb
Trade name : Calibration standard solution (Silica), 50ppb
Chemical name : Silicon dioxide in Sodium hydroxide, 0.5 mol (SiO₂)
Molecular weight : N/A
Chemical family : N/A
Manufacturer's code : CD04-600184
Identified uses : Laboratory chemicals

1.2 Company Identification

Manufacturer's name : Centronics Sdn Bhd
Distributor's name & address : Centronics Sdn Bhd
Centronics Systems & Services Sdn Bhd
No. 23, Jln Sungai Jerluh 32/196
Seksyen 32, Kota Kemuning
40460 Shah Alam, SEL
Emergency tel. no. : 603-5525 2568
Fax. no. : 603-5131 5668

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008
This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Hazard statements

Risk phrases (R)

R20/R21/22 Harmful by inhalation, in contact with skin and if swallowed
R36 Irritating to eyes

2.4 Precautionary statements

Safety phrases (S)

S36 Wear suitable protective clothing
S7 Keep container tightly closed

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS #	Proportion (%)
Silicon dioxide, in NaOH, 0.5mol (SiO ₂)	N/A	0.0025
Water	7732-18-5	99.9975

SECTION 4: FIRST AID MEASURES

Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Nature of decomposition products not known.

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

No data available

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak/Spills:

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Suitable PPE and safe environment

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limit : Components with workplace control parameters

8.2 Personal protection :

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not required.

8.3 Ventillation : Well-ventillated

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Form: clear, liquid Colour: colourless
Odour	: No data available
Solubility	: Soluble in water
pH	: No data available
Boiling Point	: No data available
Melting Point	: No data available
Vapour Pressure (mm of Hg at 25°C)	: No data available
Percentage Volatiles	: No data available
Evaporation Rate	: No data available
Vapour Density	: No data available
Specific Gravity	: No data available
Flash point	: No data available
Autoignition temperature	: No data available
Flammable limit (%) and other properties if applicable.	: No data available

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid	: No data available
Incompatible materials	: Strong oxidizing agents
Decomposition hazardous	: No data available
Hazardous polymerization	: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity data	
Inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	: May be harmful if swallowed.
Skin	: May be harmful if absorbed through skin.
Eyes	: May cause eye irritation.
Carcinogenicity	: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive effect	: No data available
Effects of overexposure	: No data available
Chronics effects	: No data available

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Specific target organ : No data available

SECTION 12: ECOLOGICAL INFORMATION

Mobility : No data available

Bioaccumulation : No data available

Biodegradability : The product itself and its products of degradation are not toxic.

Toxicity : No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

UN number

ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

No data available

SECTION 15: REGULATORY INFORMATION

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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

Chemical safety assessment

No data available

SECTION 16: OTHER INFORMATION

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

No data available

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Revision of the SDS: Revision 1

Reason for revision: Review of content

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