

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 5 (replaces version 4)

Revision: 10.03.2025

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

- **1.1 Product identifier**
- **Trade name:** REAGENT SILICA A
- **Article number:** 6135 A
- **UFI:** CY91-COWS-5008-6VT4
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
 SU0 Other
- **Product category** PC21 Laboratory chemicals
- **Process category** PROC15 Use as laboratory reagent
- **Application of the substance / the mixture** reagent for analysis
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Reasol Srl  
 Via Giampietrino 1  
 I-20156 Milano  
 ITALY  
 Tel.: +39 02 33220459
- **E-mail:** assistenza@reasol.it
- **Further information obtainable from:** Quality Assurance
- **1.4 Emergency telephone number:**  
 UK  
 Poisons Information Centre: (+44) 0344 892 0111  
 In England and Wales: NHS 111 - dial 111  
 In Scotland: NHS 24 - dial 111  
  
 IRELAND  
 Poisons Information Centre: (+353) 01 8092566  
  
 EU / UK emergency number: 112

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

- 
- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**  
 The product is classified and labelled according to the CLP regulation.
  - **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
 sulphuric acid
- **Hazard statements**  
 H314 Causes severe skin burns and eye damage.

(Contd. on page 2)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 5 (replaces version 4)

Revision: 10.03.2025

**Trade name: REAGENT SILICA A**

(Contd. of page 1)

**· Precautionary statements**

- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Additional information:**

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

**· Labelling of packages where the contents do not exceed 125 ml****· Hazard pictograms**

GHS05

**· Signal word** *Danger***· Hazard-determining components of labelling:***sulphuric acid***· Hazard statements***H314 Causes severe skin burns and eye damage.***· Precautionary statements**

- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· 2.3 Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.
**SECTION 3: Composition/information on ingredients**
**· 3.2 Mixtures****· Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 3)

EU

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 5 (replaces version 4)

Revision: 10.03.2025

**Trade name: REAGENT SILICA A**

(Contd. of page 2)

**· Dangerous components:**

|                                                                   |                                                                                                                                                                                                                                                                                                               |        |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| CAS: 7664-93-9<br>EINECS: 231-639-5<br>Index number: 016-020-00-8 | <i>sulphuric acid</i><br> <i>Skin Corr. 1A, H314</i><br><i>Specific concentration limits: Skin Corr. 1A; H314: C ≥ 15 %</i><br><i>Skin Irrit. 2; H315: 5 % ≤ C &lt; 15 %</i><br><i>Eye Irrit. 2; H319: 5 % ≤ C &lt; 15 %</i> | 1.5-5% |
| CAS: 12054-85-2<br>EINECS: 234-320-9                              | <i>AMMONIUM HEPTAM, OLYBDATE</i><br> <i>Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335</i><br><i>ATE: LD50 oral: 500 mg/kg</i><br><i>LC50/4 h inhalative: 11 mg/l</i>                          | 1.5-5% |

**· Additional information:** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** 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. Then consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **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.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
No dangerous decomposition products known.  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
- **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.

EU

(Contd. on page 4)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 5 (replaces version 4)

Revision: 10.03.2025

**Trade name: REAGENT SILICA A**

(Contd. of page 3)

### SECTION 7: Handling and storage

#### · 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

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

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

##### · Storage:

Keep container tightly closed.

Store at 15 to 25°C and away from light.

##### · Requirements to be met by storerooms and receptacles: Store in a cool location.

##### · Information about storage in one common storage facility: Not required.

##### · Further information about storage conditions: Keep container tightly sealed.

#### · 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

##### · Ingredients with limit values that require monitoring at the workplace:

**7664-93-9 sulphuric acid (1.5-5%)**IOELV Long-term value: 0.05 mg/m<sup>3</sup>

##### · DNELs

**7664-93-9 sulphuric acid**Inhalative Local effects - Acute 0.1 mg/m<sup>3</sup> (Worker)Local effects - longterm 0.05 mg/m<sup>3</sup> (Worker)

##### · PNECs

**7664-93-9 sulphuric acid**

PNEC 0.00025 mg/l (Marine water)

0.0025 mg/l (Fresh water)

8.8 mg/l (Sewage treatment plant)

PNEC 0.002 mg/Kg (Marine sediment)

0.002 mg/Kg (Fresh water sediment)

##### · Additional information: The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

##### · Appropriate engineering controls No further data; see section 7.

##### · Individual protection measures, such as personal protective equipment

##### · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

##### · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

##### · Hand protection



Protective gloves

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

(Contd. on page 5)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 5 (replaces version 4)

Revision: 10.03.2025

**Trade name: REAGENT SILICA A**

(Contd. of page 4)

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.6$  mm

· **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.

Value for the permeation: Level  $\leq 360$  minuti

· **Eye/face protection**



Tightly sealed goggles

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Liquid

· **Colour:**

Colourless

· **Odour:**

Pungent

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

100 °C (7732-18-5 water, distilled, conductivity or of similar purity)

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **pH at 20 °C**

2

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Dynamic:**

Not determined.

· **Solubility**

· **water:**

Fully miscible.

· **Partition coefficient n-octanol/water (log value)**

Not determined.

· **Vapour pressure at 20 °C:**

23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)

· **Density and/or relative density**

· **Density at 20 °C:**

1.167 g/cm<sup>3</sup>

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **9.2 Other information**

· **Appearance:**

· **Form:**

Fluid

(Contd. on page 6)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 5 (replaces version 4)

Revision: 10.03.2025

**Trade name: REAGENT SILICA A**

(Contd. of page 5)

- **Important information on protection of health and environment, and on safety.**
  - **Ignition temperature:** Product is not selfigniting.
  - **Explosive properties:** Product does not present an explosion hazard.
  - **Solvent content:**
  - **Water:** 60.0 %
  - **Solids content:** 5.0 %
  - **Change in condition**
  - **Evaporation rate** Not determined.
- 
- **Information with regard to physical hazard classes**
  - **Explosives** Void
  - **Flammable gases** Void
  - **Aerosols** Void
  - **Oxidising gases** Void
  - **Gases under pressure** Void
  - **Flammable liquids** Void
  - **Flammable solids** Void
  - **Self-reactive substances and mixtures** Void
  - **Pyrophoric liquids** Void
  - **Pyrophoric solids** Void
  - **Self-heating substances and mixtures** Void
  - **Substances and mixtures, which emit flammable gases in contact with water** Void
  - **Oxidising liquids** Void
  - **Oxidising solids** Void
  - **Organic peroxides** Void
  - **Corrosive to metals** Void
  - **Desensitised explosives** Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **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.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

(Contd. on page 7)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 5 (replaces version 4)

Revision: 10.03.2025

**Trade name: REAGENT SILICA A**

(Contd. of page 6)

### · 11.2 Information on other hazards

#### · Endocrine disrupting properties

None of the ingredients is listed.

\*

## SECTION 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.

### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.· **vPvB:** Not applicable.

### · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### · 12.7 Other adverse effects

### · Additional ecological information:

#### · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

## SECTION 13: Disposal considerations

### · 13.1 Waste treatment methods

#### · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### · Waste disposal key:

The European Union does not establish uniform rules for the disposal of chemical waste, which are special waste. Their treatment and elimination of the domestic legislation of each country. So, in each case, you should contact the relevant authorities, or those companies legally authorized for elimination of waste.

#### · Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

### · 14.1 UN number or ID number

n.a.

### · ADR, IMDG, IATA

UN2796

### · 14.2 UN proper shipping name

#### · ADR

2796 SULPHURIC ACID mixture

#### · IMDG, IATA

SULPHURIC ACID mixture

### · 14.3 Transport hazard class(es)

#### · ADR, IMDG, IATA



#### · Class

8 Corrosive substances.

(Contd. on page 8)

EU

**Safety data sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 5 (replaces version 4)

Revision: 10.03.2025

**Trade name: REAGENT SILICA A**

(Contd. of page 7)

|                                                                                                                                                                                                                     |                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · <b>Label</b>                                                                                                                                                                                                      | 8                                                                                                                                                                     |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                                                                                                                                             | II                                                                                                                                                                    |
| · <b>14.5 Environmental hazards:</b>                                                                                                                                                                                | Not applicable.                                                                                                                                                       |
| · <b>14.6 Special precautions for user</b><br>· <b>Hazard identification number (Kemler code):</b><br>· <b>EMS Number:</b><br>· <b>Segregation groups</b><br>· <b>Stowage Category</b><br>· <b>Segregation Code</b> | Warning: Corrosive substances.<br>80<br>F-A,S-B<br>(SGG1a) Strong acids<br>B<br>SG36 Stow "separated from" SGG18-alkalis.<br>SG49 Stow "separated from" SGG6-cyanides |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>                                                                                                                                               | Not applicable.                                                                                                                                                       |
| · <b>Transport/Additional information:</b>                                                                                                                                                                          |                                                                                                                                                                       |
| · <b>ADR</b><br>· <b>Limited quantities (LQ)</b><br>· <b>Excepted quantities (EQ)</b>                                                                                                                               | 1L<br>Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml                                                 |
| · <b>Transport category</b><br>· <b>Tunnel restriction code</b>                                                                                                                                                     | 2<br>E                                                                                                                                                                |
| · <b>IMDG</b><br>· <b>Limited quantities (LQ)</b><br>· <b>Excepted quantities (EQ)</b>                                                                                                                              | 1L<br>Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml                                                 |
| · <b>UN "Model Regulation":</b>                                                                                                                                                                                     | UN 2796 SULPHURIC ACID MIXTURE, 8, II                                                                                                                                 |

### SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

7664-93-9 sulphuric acid

3

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

7664-93-9 sulphuric acid

3

(Contd. on page 9)

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006, Article 31**

Printing date 10.03.2025

Version number 5 (replaces version 4)

Revision: 10.03.2025

**Trade name: REAGENT SILICA A**

(Contd. of page 8)

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 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.*

· **Relevant phrases***H302 Harmful if swallowed.**H314 Causes severe skin burns and eye damage.**H315 Causes skin irritation.**H319 Causes serious eye irritation.**H335 May cause respiratory irritation.*· **Department issuing SDS:** Quality Assurance· **Date of previous version:** 20.01.2022· **Version number of previous version:** 4· **Abbreviations and acronyms:***ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**ATE: Acute toxicity estimate values**Acute Tox. 4: Acute toxicity – Category 4**Skin Corr. 1A: Skin corrosion/irritation – Category 1A**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*· **\* Data compared to the previous version altered.**

EU

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 9 (replaces version 8)

Revision: 11.02.2025

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

- **1.1 Product identifier**
- **Trade name:** REAGENT SILICA B
- **Article number:** 6135 B
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
   SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
   SU0 Other
- **Product category** PC21 Laboratory chemicals
- **Process category** PROC15 Use as laboratory reagent
- **Application of the substance / the mixture** reagent for analysis
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
   Reasol Srl  
   Via Giampietrino 1  
   I-20156 Milano  
   ITALY  
   Tel.: +39 02 33220459
- **E-mail:** assistenza@reasol.it
- **Further information obtainable from:** Quality Assurance
- **1.4 Emergency telephone number:**  
   UK  
   Poisons Information Centre: (+44) 0344 892 0111  
   In England and Wales: NHS 111 - dial 111  
   In Scotland: NHS 24 - dial 111
- IRELAND  
   Poisons Information Centre: (+353) 01 8092566
- EU / UK emergency number: 112

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
   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 statements** Void
- **Additional information:**  
   Safety data sheet available on request.
- **Labelling of packages where the contents do not exceed 125 ml**
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 2)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 9 (replaces version 8)

Revision: 11.02.2025

**Trade name: REAGENT SILICA B**

(Contd. of page 1)

**· Dangerous components:**

|                                                                  |             |                                                                                                                          |       |
|------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------|-------|
| CAS: 144-62-7<br>EINECS: 205-634-3<br>Index number: 607-006-00-8 | oxalic acid |  Acute Tox. 4, H302; Acute Tox. 4, H312 | 7-12% |
|------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------|-------|

**· Additional information:** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**· 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:** Rinse opened eye for several minutes under running water.**· After swallowing:** Call for a doctor immediately.**· 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.

**SECTION 5: Firefighting measures****· 5.1 Extinguishing media****· Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.**· 5.2 Special hazards arising from the substance or mixture**

No dangerous decomposition products known.

No further relevant information available.

**· 5.3 Advice for firefighters****· Protective equipment:** No special measures required.**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures** Not required.**· 6.2 Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

**· 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

**· 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.

**SECTION 7: Handling and storage****· 7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

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

(Contd. on page 3)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 9 (replaces version 8)

Revision: 11.02.2025

**Trade name: REAGENT SILICA B**

(Contd. of page 2)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**  
Keep container tightly closed.  
Store at 15 to 25°C and away from light.
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

|                              |
|------------------------------|
| 144-62-7 oxalic acid (7-12%) |
|------------------------------|

|       |                                      |
|-------|--------------------------------------|
| IOELV | Long-term value: 1 mg/m <sup>3</sup> |
|-------|--------------------------------------|

- **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Hand protection**



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.6$  mm

#### · **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.

Value for the permeation: Level  $\leq 360$  minuti

- **Eye/face protection** Goggles recommended during refilling

EU

(Contd. on page 4)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 9 (replaces version 8)

Revision: 11.02.2025

Trade name: REAGENT SILICA B

(Contd. of page 3)

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

|                                                            |                     |
|------------------------------------------------------------|---------------------|
| · Physical state                                           | Liquid              |
| · Colour:                                                  | Colourless          |
| · Odour:                                                   | Odourless           |
| · Odour threshold:                                         | Not determined.     |
| · Melting point/freezing point:                            | Undetermined.       |
| · Boiling point or initial boiling point and boiling range | >100 °C             |
| · Flammability                                             | Not applicable.     |
| · Lower and upper explosion limit                          |                     |
| · Lower:                                                   | Not determined.     |
| · Upper:                                                   | Not determined.     |
| · Flash point:                                             | Not applicable.     |
| · Decomposition temperature:                               | Not determined.     |
| · pH at 20 °C                                              | 6                   |
| · Viscosity:                                               |                     |
| · Kinematic viscosity                                      | Not determined.     |
| · Dynamic:                                                 | Not determined.     |
| · Solubility                                               |                     |
| · water:                                                   | Fully miscible.     |
| · Partition coefficient n-octanol/water (log value)        | Not determined.     |
| · Vapour pressure:                                         | Not determined.     |
| · Density and/or relative density                          |                     |
| · Density at 20 °C:                                        | 1 g/cm <sup>3</sup> |
| · Relative density                                         | Not determined.     |
| · Vapour density                                           | Not determined.     |

#### · 9.2 Other information

|                                                                                 |                                               |
|---------------------------------------------------------------------------------|-----------------------------------------------|
| · Appearance:                                                                   |                                               |
| · Form:                                                                         | Fluid                                         |
| · Important information on protection of health and environment, and on safety. |                                               |
| · Ignition temperature:                                                         | Product is not selfigniting.                  |
| · Explosive properties:                                                         | Product does not present an explosion hazard. |
| · Solvent content:                                                              |                                               |
| · Solids content:                                                               | 10.0 %                                        |
| · Change in condition                                                           |                                               |
| · Evaporation rate                                                              | Not determined.                               |

#### · Information with regard to physical hazard classes

|                                                                             |      |
|-----------------------------------------------------------------------------|------|
| · Explosives                                                                | Void |
| · Flammable gases                                                           | Void |
| · Aerosols                                                                  | Void |
| · Oxidising gases                                                           | Void |
| · Gases under pressure                                                      | Void |
| · Flammable liquids                                                         | Void |
| · Flammable solids                                                          | Void |
| · Self-reactive substances and mixtures                                     | Void |
| · Pyrophoric liquids                                                        | Void |
| · Pyrophoric solids                                                         | Void |
| · Self-heating substances and mixtures                                      | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids                                                         | Void |
| · Oxidising solids                                                          | Void |
| · Organic peroxides                                                         | Void |

(Contd. on page 5)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 9 (replaces version 8)

Revision: 11.02.2025

**Trade name: REAGENT SILICA B**

(Contd. of page 4)

- |                                  |      |
|----------------------------------|------|
| · <b>Corrosive to metals</b>     | Void |
| · <b>Desensitised explosives</b> | Void |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **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.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

|                                                      |
|------------------------------------------------------|
| · <b>LD/LC50 values relevant for classification:</b> |
|------------------------------------------------------|

|                             |
|-----------------------------|
| <b>144-62-7 oxalic acid</b> |
|-----------------------------|

|      |      |                 |
|------|------|-----------------|
| Oral | LD50 | 375 mg/kg (rat) |
|------|------|-----------------|

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

|                                          |
|------------------------------------------|
| · <b>Endocrine disrupting properties</b> |
|------------------------------------------|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

### SECTION 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
- The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

(Contd. on page 6)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 9 (replaces version 8)

Revision: 11.02.2025

**Trade name: REAGENT SILICA B**

(Contd. of page 5)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

##### · Waste disposal key:

The European Union does not establish uniform rules for the disposal of chemical waste, which are special waste. Their treatment and elimination of the domestic legislation of each country. So, in each case, you should contact the relevant authorities, or those companies legally authorized for elimination of waste.

##### · Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

#### · 14.1 UN number or ID number

n.a.

#### · ADR, ADN, IMDG, IATA

Void

#### · 14.2 UN proper shipping name

#### · ADR, ADN, IMDG, IATA

Void

#### · 14.3 Transport hazard class(es)

#### · ADR, ADN, IMDG, IATA

#### · Class

Void

#### · 14.4 Packing group

#### · ADR, IMDG, IATA

Void

#### · 14.5 Environmental hazards:

#### · Marine pollutant:

No

#### · 14.6 Special precautions for user

Not applicable.

#### · 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

#### · UN "Model Regulation":

Void

### SECTION 15: Regulatory information

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

##### · Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

##### · DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

##### · REGULATION (EU) 2019/1148

##### · Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

##### · Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

(Contd. on page 7)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 9 (replaces version 8)

Revision: 11.02.2025

**Trade name: REAGENT SILICA B**

(Contd. of page 6)

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**

### SECTION 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.

· **Relevant phrases**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

· **Department issuing SDS: Quality Assurance**

· **Date of previous version: 20.01.2022**

· **Version number of previous version: 8**

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

· **\* Data compared to the previous version altered.**

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 3 (replaces version 2)

Revision: 26.03.2024

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

- **1.1 Product identifier**
- **Trade name:** REAGENT SILICA C
- **Article number:** 6135 C
- **UFI:** K1A1-V0M5-F00S-U7D6
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
 SU0 Other
- **Product category** PC21 Laboratory chemicals
- **Process category** PROC15 Use as laboratory reagent
- **Application of the substance / the mixture** reagent for analysis
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Reasol Srl  
 Via Giampietrino 1  
 I-20156 Milano  
 ITALY  
 Tel.: +39 02 33220459
- **E-mail:** assistenza@reasol.it
- **Further information obtainable from:** Quality Assurance
- **1.4 Emergency telephone number:**  
 UK  
 Poisons Information Centre: (+44) 0344 892 0111  
 In England and Wales: NHS 111 - dial 111  
 In Scotland: NHS 24 - dial 111  
  
 IRELAND  
 Poisons Information Centre: (+353) 01 8092566  
  
 EU / UK emergency number: 112

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
- 
 GHS05 corrosion  
  
 Eye Dam. 1      H318 Causes serious eye damage.
- 
 GHS07  
  
 Skin Sens. 1      H317 May cause an allergic skin reaction.
- Aquatic Chronic 3      H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
- 

- GHS05      GHS07

(Contd. on page 2)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 3 (replaces version 2)

Revision: 26.03.2024

**Trade name: REAGENT SILICA C**

(Contd. of page 1)

· **Signal word** *Danger*· **Hazard-determining components of labelling:***sodium metabisulphite**bis(4-hydroxy-N-methylanilinium) sulphate*· **Hazard statements***H318 Causes serious eye damage.**H317 May cause an allergic skin reaction.**H412 Harmful to aquatic life with long lasting effects.*· **Precautionary statements***P261 Avoid breathing dust/fume/gas/mist/vapours/spray.**P280 Wear protective gloves / eye protection / face protection.**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P310 Immediately call a POISON CENTER/doctor.**P362+P364 Take off contaminated clothing and wash it before reuse.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Additional information:***EUH031 Contact with acids liberates toxic gas.*· **Labelling of packages where the contents do not exceed 125 ml**· **Hazard pictograms**

GHS05 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***sodium metabisulphite**bis(4-hydroxy-N-methylanilinium) sulphate*· **Hazard statements***H318 Causes serious eye damage.**H317 May cause an allergic skin reaction.**H412 Harmful to aquatic life with long lasting effects.*· **Precautionary statements***P261 Avoid breathing dust/fume/gas/mist/vapours/spray.**P280 Wear protective gloves / eye protection / face protection.**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P310 Immediately call a POISON CENTER/doctor.**P362+P364 Take off contaminated clothing and wash it before reuse.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

|                            |                                               |        |
|----------------------------|-----------------------------------------------|--------|
| CAS: 7681-57-4             | sodium metabisulphite                         | 15-25% |
| EINECS: 231-673-0          | Eye Dam. 1, H318;  Acute Tox. 4, H302, EUH031 |        |
| Index number: 016-063-00-2 |                                               |        |

(Contd. on page 3)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 3 (replaces version 2)

Revision: 26.03.2024

**Trade name: REAGENT SILICA C**

(Contd. of page 2)

|                            |                                                                                                                                                                                                                                                                                                                                                               |        |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| CAS: 55-55-0               | bis(4-hydroxy-N-methylanilinium) sulphate                                                                                                                                                                                                                                                                                                                     | 1.5-5% |
| EINECS: 200-237-1          |  STOT RE 2, H373;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Skin Sens. 1, H317 |        |
| Index number: 650-031-00-4 |                                                                                                                                                                                                                                                                                                                                                               |        |

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **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. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **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.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
No dangerous decomposition products known.  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **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.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**  
Keep container tightly closed.  
Store at 15 to 25°C and away from light.

(Contd. on page 4)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 3 (replaces version 2)

Revision: 26.03.2024

**Trade name: REAGENT SILICA C**

(Contd. of page 3)

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.  
Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.6$  mm
- **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.  
Value for the permeation: Level  $\leq 360$  minuti
- **Eye/face protection**



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state**

Liquid

(Contd. on page 5)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 3 (replaces version 2)

Revision: 26.03.2024

**Trade name: REAGENT SILICA C**

(Contd. of page 4)

|                                                                   |                                                                        |
|-------------------------------------------------------------------|------------------------------------------------------------------------|
| · <b>Colour:</b>                                                  | Colourless                                                             |
| · <b>Odour:</b>                                                   | Pungent                                                                |
| · <b>Odour threshold:</b>                                         | Not determined.                                                        |
| · <b>Melting point/freezing point:</b>                            | Undetermined.                                                          |
| · <b>Boiling point or initial boiling point and boiling range</b> | 100 °C (7732-18-5 water, distilled, conductivity or of similar purity) |
| · <b>Flammability</b>                                             | Not applicable.                                                        |
| · <b>Lower and upper explosion limit</b>                          |                                                                        |
| · <b>Lower:</b>                                                   | Not determined.                                                        |
| · <b>Upper:</b>                                                   | Not determined.                                                        |
| · <b>Flash point:</b>                                             | Not applicable.                                                        |
| · <b>Decomposition temperature:</b>                               | Not determined.                                                        |
| · <b>pH at 20 °C</b>                                              | 6                                                                      |
| · <b>Viscosity:</b>                                               |                                                                        |
| · <b>Kinematic viscosity</b>                                      | Not determined.                                                        |
| · <b>Dynamic:</b>                                                 | Not determined.                                                        |
| · <b>Solubility</b>                                               |                                                                        |
| · <b>water:</b>                                                   | Fully miscible.                                                        |
| · <b>Partition coefficient n-octanol/water (log value)</b>        | Not determined.                                                        |
| · <b>Vapour pressure at 20 °C:</b>                                | 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity) |
| · <b>Density and/or relative density</b>                          |                                                                        |
| · <b>Density at 20 °C:</b>                                        | 1.04056 g/cm <sup>3</sup>                                              |
| · <b>Relative density</b>                                         | Not determined.                                                        |
| · <b>Vapour density</b>                                           | Not determined.                                                        |

**9.2 Other information**

|                                                                                        |                                               |
|----------------------------------------------------------------------------------------|-----------------------------------------------|
| · <b>Appearance:</b>                                                                   |                                               |
| · <b>Form:</b>                                                                         | Liquid                                        |
| · <b>Important information on protection of health and environment, and on safety.</b> |                                               |
| · <b>Ignition temperature:</b>                                                         | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>                                                         | Product does not present an explosion hazard. |
| · <b>Solvent content:</b>                                                              |                                               |
| · <b>Water:</b>                                                                        | 52.0 %                                        |
| · <b>Solids content:</b>                                                               | 2.0 %                                         |
| · <b>Change in condition</b>                                                           |                                               |
| · <b>Evaporation rate</b>                                                              | Not determined.                               |

**Information with regard to physical hazard classes**

|                                                                                    |      |
|------------------------------------------------------------------------------------|------|
| · <b>Explosives</b>                                                                | Void |
| · <b>Flammable gases</b>                                                           | Void |
| · <b>Aerosols</b>                                                                  | Void |
| · <b>Oxidising gases</b>                                                           | Void |
| · <b>Gases under pressure</b>                                                      | Void |
| · <b>Flammable liquids</b>                                                         | Void |
| · <b>Flammable solids</b>                                                          | Void |
| · <b>Self-reactive substances and mixtures</b>                                     | Void |
| · <b>Pyrophoric liquids</b>                                                        | Void |
| · <b>Pyrophoric solids</b>                                                         | Void |
| · <b>Self-heating substances and mixtures</b>                                      | Void |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| · <b>Oxidising liquids</b>                                                         | Void |
| · <b>Oxidising solids</b>                                                          | Void |
| · <b>Organic peroxides</b>                                                         | Void |
| · <b>Corrosive to metals</b>                                                       | Void |

(Contd. on page 6)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 3 (replaces version 2)

Revision: 26.03.2024

**Trade name: REAGENT SILICA C**

(Contd. of page 5)

· **Desensitised explosives**

Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Contact with acids releases toxic gases.
- **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.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
- The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
- Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.
- Harmful to aquatic organisms

EU

(Contd. on page 7)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 3 (replaces version 2)

Revision: 26.03.2024

**Trade name: REAGENT SILICA C**

(Contd. of page 6)

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

##### · Waste disposal key:

The European Union does not establish uniform rules for the disposal of chemical waste, which are special waste. Their treatment and elimination of the domestic legislation of each country. So, in each case, you should contact the relevant authorities, or those companies legally authorized for elimination of waste.

##### · Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

#### · 14.1 UN number or ID number

n.a.

#### · ADR, IMDG, IATA

Void

#### · 14.2 UN proper shipping name

#### · ADR, IMDG, IATA

Void

#### · 14.3 Transport hazard class(es)

#### · ADR, ADN, IMDG, IATA

#### · Class

Void

#### · 14.4 Packing group

#### · ADR, IMDG, IATA

Void

#### · 14.5 Environmental hazards:

Not applicable.

#### · 14.6 Special precautions for user

Not applicable.

#### · 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

#### · UN "Model Regulation":

Void

### SECTION 15: Regulatory information

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

##### · Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

##### · REGULATION (EU) 2019/1148

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

##### · Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

##### · Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

(Contd. on page 8)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.03.2025

Version number 3 (replaces version 2)

Revision: 26.03.2024

**Trade name: REAGENT SILICA C**

(Contd. of page 7)

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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.

· **Relevant phrases**

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH031 Contact with acids liberates toxic gas.

· **Department issuing SDS:** Quality Assurance

· **Date of previous version:** 20.01.2022

· **Version number of previous version:** 2

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **\* Data compared to the previous version altered.**