

SAFETY DATA SHEET

SILICA REAGENT 1

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Revision No: 1

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: SILICA REAGENT 1

Product code: RC5515

Use / description of product: Irritant. Liquid. For use in small quantities, for water analysis.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: SULPHURIC ACID <10%

CAS: 7664-93-9

EINECS: 231-639-5

[C] R35;

Ingredient 2: RAW AMMONIUM DIMOLYBDATE <10%

CAS: 7782-91-4

EINECS: 231-970-5

[Xi] R36/37/38;

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Irrigate thoroughly for at least 10 minutes. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water. Carbon dioxide. Dry chemical powder. Foam Vapourising Liquids.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear protective clothing to prevent contact with skin and eyes.

[cont...]

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- Personal precautions:** Refer to section 8 of SDS for personal protection details.
- Clean-up procedures:** Neutralise with dilute sodium hydroxide solution testing with litmus paper periodically.
Wash down the drain with large amounts of water. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Hand protection:** Protective gloves.
- Eye protection:** Safety goggles.
- Skin protection:** Protective clothing with elasticated cuffs and closed neck.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Colourless
- Odour:** Odourless
- Viscosity:** Non-viscous
- Oxidising:** Non-oxidising (by EC criteria)
- Evaporation rate:** Slow
- Solubility in water:** Miscible in all proportions
- Vapour pressure:** 0-1
- pH:** 0-2

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Heat.
- Materials to avoid:** Bases.
- Haz. decomp. products:** In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

- Ingredient 1:** SULPHURIC ACID...100%
ORL RAT LD50 2140mg/kg

12. ECOLOGICAL INFORMATION

- Mobility:** Non-volatile.
- Persistence and degradability:** Biodegradable.
- Bioaccumulative potential:** No bioaccumulation potential.
- Other adverse effects:** Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

- Waste disposal:** Flush liquors to drain, local regulations permitting, or send to a waste water treatment plant.
- Disposal of packaging** Dispose of as normal industrial waste.
- NB:** The user's attention is drawn to the possible existence of regional or national regulations

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regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: :none

IMDG / IMO**IATA / ICAO****15. REGULATORY INFORMATION**

Hazard symbols: Irritant.



Risk phrases: R36/38: Irritating to eyes and skin.

Safety phrases: S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. ADDITIONAL INFORMATION

Additional information: The information contained within this MSDS is based on bulk quantities. The user should bear in mind the reduced hazard associated with the small quantities normally associated with test kit reagents, and adjust their responses accordingly.

Risk phrases used in s.2: R35: Causes severe burns.

R36/37/38: Irritating to eyes, respiratory system and skin.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.