

AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: October 2024  
Version No: 2

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**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

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Product Name: Silicon Standard 10000 mg/L  
Product Code: 0746  
Other Names:  
Uses: Analytical Reagent

Supplier: Australian Chemical Reagents  
38-50 Bedford Street Gillman SA 5013

Supplier: Australian Chemical Reagents  
38-50 Bedford Street Gillman SA 5013

Contacts: Telephone: 61 08 84402000  
Fax: 61 08 84402001  
Emergency Phone: 61 08 84402000 Mon – Fri 8:30am – 5:00pm

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**2. HAZARDS INFORMATION**

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**Hazard classification:** Non Hazardous. Non Dangerous Goods.

Not classified as Hazardous according to the Globally Harmonised System of classification on and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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**Ingredients :**

| Chemical Entity             | CAS No         | Proportion |
|-----------------------------|----------------|------------|
| Ammonium hexafluorosilicate | [ 16919-19-0 ] | 6%         |
| Water                       | [7732-18-5]    | to 100%    |

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**4. FIRST AID MEASURES**

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Safety showers and eye wash facilities should be provided.

**Swallowed :**

If conscious wash out mouth with water. Seek medical advice. Show this SDS to medical practitioner.

**Eye :**

Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this SDS to medical practitioner.

**Skin :**

Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice if irritation persists. Show this SDS to medical practitioner. Launder clothing before reuse.

**Inhaled :**

Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this SDS to a doctor.

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**5. FIRE FIGHTING MEASURES**

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**Suitable Extinguishing Media:**

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**Hazards From Combustion Products:**

Solutions will not burn or support combustion.

**Precautions For Fire Fighters and Special Protective Equipment:**

Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-piece, operated in positive pressure mode when fighting fires.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Emergency procedures:**

Prevent from entering waterways. Restrict access to area. Remove chemicals that can react with the spilled material. Spills are slippery

**Methods and materials for containment and clean up:**

Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

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**7. HANDLING AND STORAGE**

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**Precautions for Safe Handling:**

Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

**Conditions for Safe Storage:**

Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**National Exposure Standards:**

Safe Work Australia – no specific exposure standards apply.

**Biological Limit Values:** No data available.

**Engineering Controls:**

Not required with normal use. If mists are likely to be generated maintain atmospheric concentrations well below exposure standards with extraction ventilation.

**Personal Protective Equipment (PPE):**

The use of nitrile or neoprene gloves complying with AS 2161 and the use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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|                                            |                |
|--------------------------------------------|----------------|
| <b>Appearance :</b>                        | Clear liquid   |
| <b>Odour:</b>                              | Nil            |
| <b>pH:</b>                                 | Not available  |
| <b>Boiling Point (°C) :</b>                | Not applicable |
| <b>Freezing/melting Point:</b>             | Not applicable |
| <b>Vapour Pressure (mm of Hg @ 25°C) :</b> | Not applicable |
| <b>Vapour Density:</b>                     | Not applicable |
| <b>Specific Gravity :</b>                  | 1.1            |
| <b>Flash Point (°C) :</b>                  | Not flammable  |
| <b>Flammability Limits (%) :</b>           | Not flammable  |
| <b>Solubility in Water (g/L) :</b>         | Soluble        |

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**10. STABILITY AND REACTIVITY**

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**Chemical stability:**

Stable.

**Conditions to avoid:****Incompatible materials:**

**Hazardous decomposition products:**

Refer to section 5 (Fire Fighting Measures).

**Hazardous reactions:**

Hazardous polymerization will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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**Health Effects:**

**Swallowed :** May be harmful if swallowed.

**Eye :** May be irritating to eye tissue.

**Skin :** May irritate skin tissue with prolonged contact.

**Inhaled :** Not considered a hazard with normal laboratory use.

**Chronic Effects:** No data available

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity:**

No data available.

**Persistence and degradability:**

No data available.

**Mobility:**

No data available.

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**13. DISPOSAL CONSIDERATIONS**

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Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

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**14. TRANSPORT INFORMATION**

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**UN Number:** None Allocated

**UN Proper Shipping Name:** None Allocated

**Class and subsidiary risk(s):** None Allocated

**Packing Group :** None Allocated

**Hazchem Code :** None Allocated

**Special precautions for user :** Nil

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**15. REGULATORY INFORMATION**

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**Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP):**

Schedule 5

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**16. OTHER INFORMATION**

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END of SDS