

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Silica gel, 2 - 4mm pellets, orange
Catalogue Number: C81-005, C81-020, C81-250.
Other Names: Silica Gel preparation; Silica, amorphous [Silica, amorphous, precipitated and gel]; Precipitated silica (a).
Recommended Use: General Laboratory reagent.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)
Emergency Contact: (07) 4773 9444 - 8:30am – 5:00pm, Monday to Friday (excluding Public Holidays)

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification:
 Hazardous according to criteria of Hazardous Substances Information System [HSIS Worksafe Australia].
Hazardous and/or Dangerous Nature:
 HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Risk Phrases:
 Not listed by the criteria of Hazardous Substances Information System [HSIS Worksafe Australia] – refer to CAS Number 112926-00-8.
Safety Phrases:
 Not listed by the criteria of Hazardous Substances Information System [HSIS Worksafe Australia] – refer to CAS Number 112926-00-8.

Refer to Section 15 for Poisons Schedule.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Pure Substance (Proportion 100%):

Chemical Identity: Precipitated silica (a).
Common Name(s): Silica Gel preparation; Silica gel, 2 - 4mm pellets, orange; Silica, amorphous [Silica, amorphous, precipitated and gel].
CAS Number: 112926-00-8

Mixture Substance:

<i>Ingredients</i>	<i>Cas Number(s)</i>	<i>Proportion (%)</i>
Precipitated silica (a)	112926-00-8	99-100
Non-hazardous indicator	-	<1

SECTION 4 - FIRST AID MEASURES

Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.
Inhalation: Remove from exposure. Seek medical attention.
Eye Contact: Hold eyes open, flood with water for at least 15 minutes, if pain/irritation persists seek medical attention.
Skin Contact: Wash off thoroughly with soap and water.
First Aid Facilities: Eyebath/eyewash, Safety shower & general washroom facilities.
Medical Attention & Special Treatment:
 Treat symptomatically and supportively.
Additional Information:
 Not additional information found.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
 Use extinguisher relative to the combustible materials on fire.
Hazards from Combustion Products:
 Non-combustible. Ambient fire may liberate hazardous vapours.
Precautions for Fire Fighters:
 Wear appropriate protective equipment for surrounding fire.
Hazchem Code: Not available

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Refer to Section 8 for proper protective equipment.

Containment & Clean up:

Avoid generation of dusts; do not inhale dusts. Sweep up dry. Forward for disposal. Wash site of spillage with water.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

No special precautions necessary refer to Section 8 for personal protective equipment.

Precautions for Safe Storage:

Keep well closed and protected from direct sunlight and moisture. No restriction on temperature.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: Precipitated silica (a), CAS 112926-00-8:
TWA 10mg/m³

Biological Limit Values: No biological limit allocated.

Engineering Controls:

Required when dusts are generated. Mechanical extraction sufficient to maintain the airborne concentration below the recommended exposure level.

Personal Protective Equipment:

Respirator: Dust respirator. Ensure respirator is clean, well-fitting and in good working order. All respirators should comply with Australian Standard AS 1716 and be used in accordance with AS 1715.

Gloves: Rubber or plastic

Eye Protection: Goggles or face-shield

Other Precautions: Plastic apron, sleeves, boots - if handling large quantities.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Orange beads, when moist turn green.
Odour:	Odourless.
pH:	Not available.
Vapour pressure (mm of Hg at °C):	Not available.
Vapour density:	Not available.
Boiling point/range (°C):	Not available.
Freezing/melting point (°C):	>1000°C.
Solubility:	Not available.
Specific gravity or density:	Not available.
Flash Point:	Not available.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Avoid strong heating.

Incompatible Materials: None known.

Hazardous Decomposition Products:

Non-combustible. Ambient fire may liberate hazardous vapours.

Hazardous Reactions: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

None reported.

Ingestion:

Hazardous properties are relatively improbable.

Inhalation:

Hazardous properties are relatively improbable. Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.

Eye Contact:

Hazardous properties are relatively improbable.

Skin Contact:

Hazardous properties are relatively improbable.

Human/Animal data: Not available.

Carcinogenic Category: Not classified as a Carcinogen by the IARC.

Other Carcinogenic Information: Not available.

SECTION 12 – ECOLOGICAL INFORMATION
--

Ecotoxicity: Not available.

Persistence and degradability: Not available.

Mobility: Not available.

Additional Information: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

Special Precautions/Additional Informational:

Not available.

SECTION 14 - TRANSPORT INFORMATION

UN Number: Not regulated.

UN Proper Shipping Name: Not regulated.

Class and Subsidiary risk: Not regulated.

Packing Group: Not regulated.

Special Precautions for User: Not available.

Hazchem Code: Not available.

SECTION 15 - REGULATORY INFORMATION
--

Poison Schedule Number: None Allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: May 11

Comments:**List of Publications referenced when creating this MSDS;**

- Hazardous Substances Information System Consolidated Lists: Safe Work Australia.
- APPROVED CRITERIA FOR CLASSIFYING HAZARDOUS SUBSTANCES [NOHSC:1008(2004)] 3rd Edition: National Occupational Health and Safety Commission.
- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the National code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this MSDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

... End of MSDS ...