



Safety Data Sheet

according to WHS Regulations

Printing date 31.03.2020

Revision: 31.03.2020

1 Identification

Product Name: WHITE SILICA GEL

Recommended Use of the Chemical and Restriction on Use:

Pipe line dryers, transformer breathers, protection of electronic equipment from moisture and general application where moisture control and prevention is critical.

Details of Manufacturer or Importer:

Enviro-Tronics
Unit 3, 175 Briens Rd
Northmead NSW 2152

Phone Number: 02 9630 5277

Emergency telephone number: 0413 943 153

2 Hazard(s) Identification

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified, according to the Globally Harmonised System (GHS).

Signal Word None

Hazard Statements None

Precautionary Statements None

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 112926-00-8	Silica gel, precipitated, crystalline free	99.6%
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4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Dust may cause mechanical respiratory irritation.

Skin Contact: May cause skin dryness or cracking.

Eye Contact: Dust may cause mechanical eye irritation.

Ingestion: Ingestion is not considered a potential route of exposure.

(Contd. on page 2)

Safety Data Sheet

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Revision: 31.03.2020

Product Name: WHITE SILICA GEL

(Contd. of page 1)

5 Fire Fighting Measures

Suitable Extinguishing Media: Water spray, alcohol resistant foam, dry chemical and carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include silicon oxides.

This product is not flammable, but may decompose in a fire.

Containers close to fire should be removed only if safe to do so.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved dust mask and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Use vacuum equipment with HEPA filters or wet sweeping technique. Collect in suitable, closed containers for subsequent disposal.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Keep away from strong oxidising agents. Do not generate dust.

8 Exposure Controls and Personal Protection

Exposure Standards:

CAS: 112926-00-8 Silica gel, precipitated, crystalline free

NES TWA: 10 mg/m³

Engineering Controls:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the limits.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of

(Contd. on page 3)

Safety Data Sheet

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Revision: 31.03.2020

Product Name: WHITE SILICA GEL

(Contd. of page 2)

the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Solid granules
Colour:	Colourless
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	3 - 8
Melting point/freezing point:	>1000 °C
Initial Boiling Point/Boiling Range:	>2300 °C
Flash Point:	Not applicable
Flammability:	Non combustible solid.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable.
Density:	Not determined.
Relative Density at 20 °C:	~2.1 g/cm ³
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
Organic solvents:	0.0 %

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Avoid generating dust.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Silicon oxides.

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****CAS: 112926-00-8 Silica gel, precipitated, crystalline free**

Oral LD50 > 31600 mg/kg (rat)

Dermal LD50 > 2000 mg/kg (rabbit)

Acute Health Effects

Inhalation: Dust may cause mechanical respiratory irritation.

Skin: May cause skin dryness or cracking.

(Contd. on page 4)

Safety Data Sheet

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Revision: 31.03.2020

Product Name: WHITE SILICA GEL

(Contd. of page 3)

Eye: Dust may cause mechanical eye irritation.**Ingestion:** Ingestion is not considered a potential route of exposure.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** No sensitising effects known.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:** Silica is not harmful to aquatic organisms.**Persistence and Degradability:**

Silica is expected to combine with the soil or sediment due to its similarity with inorganic soil or sediment matter.

Bioaccumulative Potential: Silica is not considered to be bioaccumulative.**Mobility in Soil:**

Silica is expected to combine with the soil or sediment due to its similarity with inorganic soil or sediment matter.

Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

(Contd. on page 5)

Safety Data Sheet

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Revision: 31.03.2020

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(Contd. of page 4)

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 112926-00-8 Silica gel, precipitated, crystalline free

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 31.03.2020**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - May 2018"

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