



SAFETY DATA SHEET

According to Safe Work Australia

Printing date 26.02.2014

Revision: 26.02.2014

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: ORANGE 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. HAZARDS IDENTIFICATION

Hazardous Nature: The product is not classified according to the Globally Harmonized System (GHS).

Label Elements

Signal Word Void

Hazard Statements Void

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

112926-00-8	Precipitated silica (Silica-Amorphous)	99.57%
548-62-9	C.I. Basic Violet 3 ☠ Carc. 2, H351; ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Acute Tox. 4, H302	0.09%

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.

5. FIRE FIGHTING MEASURES

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

Specific Hazards Arising from the Chemical: Not combustible. Will not burn or support combustion.

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Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia 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/dust suppressant if sweeping is required. Collect in suitable, closed containers for subsequent disposal. Avoid generating dust. Provide adequate ventilation.

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 dusty conditions.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Standards:****112926-00-8 Precipitated silica (Silica-Amorphous)**NES | TWA: 10 mg/m³**Engineering Controls:**

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

Personal Protective Equipment (PPE):**Respiratory Protection:**

If ventilation is inadequate, an approved dust/mist respirator may be required. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Protective gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES**Appearance:**

Form:	Solid granules
Colour:	Orange (dry) or dark-green (wet)
Odour:	Odourless

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Odour Threshold:	Not determined.
pH-Value:	3-8
Melting point/Melting range:	>1000 °C
Initial Boiling Point/Boiling Range:	>2300 °C
Flash Point:	Not applicable.
Flammability:	Non combustible solid.
Auto-ignition Temperature:	
Decomposition Temperature:	Not determined.
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable.
Relative Density at 20 °C:	~2.1 g/cm ³
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable.
Solubility in Water:	Insoluble

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: Do not generate dusty conditions.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Silicon oxides.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

112926-00-8 Precipitated silica (Silica-Amorphous)

Oral	LD50	> 31600 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)

Acute Health Effects

Inhalation:

May cause dust related mechanical irritating effect on respiratory tract, not resulting in classification.

Skin: May cause skin dryness or cracking not resulting in classification

Eye: May cause dust related mechanical irritating effect on eyes, not resulting in classification.

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: C.I Basic Violet 3 is classified by Safe Work Australia as Carcinogen Category 2.

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.

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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**12 . ECOLOGICAL INFORMATION****Ecotoxicity:****Aquatic toxicity:**

C.I Basic Violet 3 is toxic to aquatic organisms. May cause long-term adverse effects in the environment.

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.

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**ADG, IMDG, IATA** Void**Proper Shipping Name** Not regulated**ADG, IMDG, IATA** Void**Dangerous Goods Class** Not regulated**ADG Class:** Void**Packing Group:** Not regulated**ADG, IMDG, IATA** Void**Marine pollutant:** No**15 . REGULATORY INFORMATION****Australian Inventory of Chemical Substances:**

112926-00-8 | Precipitated silica (Silica-Amorphous)

16 . OTHER INFORMATION**Creation Date:** 26.02.2014**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association
GHS: Globally Harmonized 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
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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