

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Silica Power**  
 Item Code:  
 Product Use: Industrial use  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd  
 Address: 10 Firth Street  
 Drury, 2113

Telephone: +64 9 294 8453  
 Fax Number: +64 9 294 7272

**Emergency Telephone: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 20 February 2020

### Section 2. Hazards Identification

**The manufacturer has stated that this substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017**

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
The product does not contain any (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the substance and hence require reporting in this section.		

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, call doctor/physician.

If on Skin: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.

If Swallowed: Rinse mouth with water. DO NOT induce vomiting. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Call a POISON CENTER or doctor/physician if you feel unwell.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

**Most important symptoms and effects, both acute and delayed**

Symptoms: None known.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Non Flammable, Non-combustible material.
<b>Hazards from decomposition products</b>	During fire hazardous fumes/smoke could be produced.
<b>Suitable Extinguishing media</b>	Suitable extinguishing media.
<b>Precautions for firefighters and special protective clothing</b>	Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters. In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

**Section 6. Accidental Release Measures**

Wear appropriate protective clothing. Exclude non-essential people from the area. Ensure adequate ventilation.

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

Wipe up with absorbent material (e.g. cloth, fleece). Place in appropriate containers for disposal. Ventilate affected area. Dispose of according to Local Regulations detailed in Section 13.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Use local and general ventilation. Use only in well-ventilated areas.
- Wash hands after use.
- Do not eat, drink and smoke in work areas.
- Remove contaminated clothing and protective equipment before entering eating areas.
- Never keep food or drink in the vicinity of chemicals.
- Never place chemicals in containers that are normally used for food or drink.
- Keep away from food, drink and animal feedingstuffs.
- Use personal protective equipment according to section 8.

**Precautions for Storage:**

- Keep away from sources of ignition - No smoking.
- Take precautionary measures against static discharge.
- Observe hints for combined storage. Keep away from alkalis, oxidising substances, acids.
- Protect against external exposure, such as high temperatures, Frost or UV radiation/sunlight.
- Store in a well-ventilated place. Keep container tightly closed.

**Section 8 Exposure Controls / Personal Protection**

## WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

### Engineering Controls

General ventilation.

### Personal Protection Equipment



<b>Eyes</b>	Use safety goggle with side protection (EN 166).
<b>Skin</b>	Wear suitable gloves (Rubber, PVC: polyvinyl chloride, CR: chloroprene (chlorobutadiene). - material thickness ≥ 0,5 mm - breakthrough times of the glove material max. 60 min. Protective clothing (EN 340).
<b>Respiratory</b>	In case of inadequate ventilation wear respiratory protection.
<b>General</b>	Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Diffrent
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	100°C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Density</b>	Not available
<b>Solubilities</b>	Not available
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available

<b>Viscosity</b>	Not available
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## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Hazardous Reactions</b>	Urea reacts with sodium or calcium hypochlorite to form the explosive nitrogen trichloride.
<b>Conditions to Avoid</b>	Keep away from heat.
<b>Incompatible Materials</b>	Acids, Bases, Oxidisers, Nitrite, Nitrate.
<b>Hazardous Decomposition Products</b>	Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in Soil</b>	No data available.
<b>Other adverse effects</b>	No data available.

## Section 13. Disposal Considerations

### Disposal Method:

Triple rinse and dispose of according to Local Regulations.

**Precautions or methods to avoid:** Do not empty into drains.

Avoid release to the environment.

## Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

## Section 15 Regulatory Information

Product Name: Silica Power  
Date of SDS: 20 February 2020

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The manufacturer has stated that this substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

## **Section 16                      Other Information**

### **Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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