



## Section 1: Identification of the Material and Supplier

**Product Name:** Sprinkle

**Other Names:** Silica flour mixture.

**Proper shipping name (ADG Code):** None assigned.

**Recommended use:** As a powder cleanser for bathrooms, laundries, floor and wall tiles. Use as directed on the product label.

**Supplier:** Hunters Products (TAS) Pty. Ltd.,  
A.C.N. 004 601 263

### HEAD OFFICE

60 Gleadow Street,  
INVERMAY TAS 7248  
Tel: 03 6331 4755  
Fax: 03 6334 1065

### HOBART OFFICE

105 Albert Road,  
MOONAH TAS 7009  
Tel: 03 6228 7955  
Fax: 03 6228 7988

### BURNIE OFFICE

22 Pearl Street,  
WIVENHOE TAS 7320  
Tel: 03 6431 9627  
Fax: 03 6432 2083

### Emergency Phone Numbers:

Transport/Fire Emergency: 000 (Emergency services)  
Medical Emergency: 131126 (Poisons Information Centre)

## Section 2: Hazards Identification

Classified as hazardous according to criteria of Worksafe Australia.

Non-dangerous goods.

**Risk Phrases:** R: 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**Safety Phrases:** S: 22 Do not breathe dust.

## Section 3: Composition/Information on Ingredients

### Ingredients:

Silica flour (crystalline quartz)	[14808-60-7]	> 60 %
Surfactant		< 10 %
Other ingredients deemed not to be hazardous		to 100 %
Available chlorine	[7782-50-5]	up to 0.16 %

## Section 4: First Aid Measures

**For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.**

**Swallowed:** If swallowed, do NOT induce vomiting.

**Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

**Eyes:** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

**Inhaled:** Remove from exposure, rest and keep warm. Seek medical advice.

### **First Aid facilities:**

**Recommended:** Eye wash. Hand wash basin.

### **Advice to Doctor:**

Product contains a very high proportion of powdered crystalline silica (quartz), and a low proportion of a surfactant. If swallowed, vomiting should not have been induced because of the risk of aspiration of froth containing silica powder into the lungs. Risk of mechanical damage if in eyes. Contact Poisons Information Centre.

### **Aggravated medical conditions:**

Inhalation of dusts may represent a serious acute risk to persons with a compromised respiratory system. The harmful effects of breathing silica dusts may be enhanced by smoking.

## Section 5: Fire Fighting Measures

**HAZCHEM Code:** None assigned.

**Evacuate:** No.

**Extinguishant:** Water.

**Risk of violent reaction or explosion:** No.

**Products of combustion:** Oxides of carbon, oxides of sulphur, oxides of nitrogen, chlorine.

**Protective Equipment:** Breathing apparatus and protective gloves for fire.

## Section 6: Accidental Release Measures

**Emergency Procedures:**

Contain.

**For large spills:**

Contain spillages with sand or earth. Transfer solids to suitable container(s). Treat residues as for small spills.

**For small spills:**

Avoid generating dusts. Carefully transfer to suitable closed container. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapours.

## Section 7: Handling and Storage

**Precautions for safe handling:**

Do not generate dusts.  
Avoid contact with skin and eyes.  
Keep away from acids.

**Conditions for safe storage:**

Store in a cool, well ventilated place, out of reach of children. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from acids. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.

**Incompatibles:**

Acids, oxidising agents.

## Section 8: Exposure Controls/Personal Protection

**National Exposure Standards:**

**ES-TWA:** Silica, crystalline quartz 0.1 mg/m<sup>3</sup>

**ES-STEL:** None assigned.

**ES-PEAK:** None assigned.

**Notations:** None.

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

**Engineering Controls:**

Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities, or if dust risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible and at least below the TLV.

**Personal Protective Equipment:**

Avoid contact with skin and eyes. Do not breathe dust.  
Personal protection to be selected from those recommended below,  
as appropriate to mode of use, quantity handled and degree of  
hazard:-

**Normal Use:**

Eye/face protection  
Gloves, rubber or plastic.

**Industrial Quantities:**

Positive pressure air hood  
Full face respirator with dust filters fitted  
Dust mask  
Face shield or safety glasses  
Gloves, rubber or plastic  
Plastic apron, sleeves and boots  
Overalls.

## Section 9: Physical and Chemical Properties

Appearance: White powder, formulated to be non-dusting.  
May become dusty if allowed to dry out.  
Odour: Smell of spearmint.  
pH: 10 (as 1 % dispersion in water)  
Vapour Pressure: No data.  
Vapour Density: No data.  
Boiling Point: No data.  
Melting Point: No data.  
Volatiles: < 1 %  
Volatile Organic Compounds (VOC): < 1 %  
Evaporation Rate: No data.  
Solubilities: Dispersible in water, partially soluble.  
Specific Gravity/Density: No data.  
Flash Point: None.  
Flammable Limits: None.  
Dust Explosion: Will not happen.  
Auto-ignition Temperature: No data.

**Other Information:**

May react vigorously with strong mineral acids, generating a small  
quantity of chlorine, a toxic gas. Slowly soluble in concentrated  
caustic alkalis. May react with strong oxidising agents. May  
absorb moisture from the air. Spillages will be slippery when wet.

## Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** Incompatible materials, moist air.  
Heating may dry out this product, which may  
then generate harmful dust.

**Incompatible Materials:** Acids, oxidising agents, caustic alkalis.

**Hazardous Decomposition Products:** Oxides of sulphur, oxides of  
nitrogen, chlorine.

**Hazardous Reactions:** Contact with acids may generate chlorine.

## Section 11: Toxicological Information

**Health Effects:**

No data available for the mixture. Information presented relates to individual ingredients.

**Acute:**

**Swallowed:** Likely to cause gastric upset, nausea, vomiting and diarrhoea. An aspiration risk.

**Skin:** Will degrease the skin.

**Eyes:** May be irritating to eyes. May cause redness and pain. Risk of mechanical scratching and subsequent eye damage.

**Inhaled:** This product is not expected to be a dust risk under normal use. It may become a dust risk if heated, or allowed to dry out. Inhalation of dusts may cause coughing, irritation of the throat and difficulty breathing. The harmful effects may be enhanced by smoking. Overwhelming inhalation exposure to silica dust has cause acute pneumoconiosis (fibrosis and scarring of the lungs). Aspiration of silica-containing froth into the lungs during swallowing or vomiting may cause serious injury to lung tissues.

**Chronic:** Silica, crystalline quartz, is classified by IARC as a carcinogen, group 1; carcinogenic to humans. (1)  
 Silica, crystalline quartz, is listed as a known human carcinogen by NTP. (2)  
 Silica, crystalline quartz, is classified as carcinogenic and neoplastic by RTECS criteria. (3)(4)(5)  
 Chronic exposure to crystalline silica may damage the liver, spleen, blood, thymus and the enzymatic system.

**LD<sub>50</sub>:** Silica, crystalline quartz                      No data found.

**LCLo:** Silica, crystalline quartz                      300 µg/m<sup>3</sup>/10 years, human - liver changes, death.

**TCLo:** Silica, crystalline quartz                      16 million particles per cubic foot/8 hours/17.9 years, human - fibrosis, focal (pneumoconiosis), cough, shortness of breath/laboured breathing.

## Section 12: Ecological Information

<b>Ecotoxicity:</b>	May be harmful to aquatic organisms.
<b>Persistence and degradability:</b>	The surfactant used in this product is considered to be biodegradable.
<b>Mobility:</b>	Readily transported by running water.
<b>Environmental Fate:</b>	No data.
<b>Bioaccumulative potential:</b>	No data.
<b>Other adverse environmental effects:</b>	Contains a surfactant. May be harmful to aquatic organisms, including fish. Contains a very low proportion of available chlorine which may be harmful to micro-organisms. Contains a moderate proportion of phosphate which may contribute to the development of algal blooms in natural waters.

## Section 13: Disposal Considerations

The generator of any wastes from this product is responsible for its proper classification, transport and disposal.

Consult appropriate local and State regulations.

**Disposal methods and containers:**

Avoid disposal of large quantities to sewer.  
Avoid disposal to natural waters.

**Special precautions for landfill or incineration:**

Unsuitable for incineration.

## Section 14: Transport Information

<b>UN Number:</b>	None assigned.
<b>UN Proper shipping name:</b>	None assigned.
<b>Class and subsidiary risk:</b>	None assigned.
<b>Packaging group:</b>	None assigned.
<b>Special precautions for user:</b>	Contain spillages.
<b>HAZCHEM Code:</b>	None assigned.
<b>Material for export:</b>	Not regulated.

## Section 15: Regulatory Information

**Poisons (SUSDP):** Not a scheduled poison.

**Dangerous Goods:** No.

<b>Carcinogen:</b>	<b>Australia</b>	<b>IARC</b>	<b>NTP</b>	<b>RTECS</b>
	No.	Yes.	Yes.	Yes.

**Agricultural and Veterinary Chemicals Act:** Not applicable.

**Australian Inventory of Chemical Substances (AICS):** Listed.

**Other National/International Regulations:** No data.

## Section 16: Other information

**Date of MSDS update:** May 2007  
Complete review and re-write of all sections.

**Abbreviations:**

NOHSC - National Occupational Health and Safety Commission.  
ACGIH - American Conference of Governmental Industrial Hygienists.  
IARC - International Agency for Research on Cancer (France).  
NPT - National Toxicology Program (USA).  
RTECS - Registry of Toxic Effects of Chemical Substances.

**Literature references:**

- (1) *IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. v.68, p.41, 1997.*
- (2) *NTP 11th Report on Carcinogens. 2004*
- (3) *Environmental Research. (Academic Press Inc., 1 E. First Street, Duluth, MN 55802) v.40 p.499, 1986.*
- (4) *Experimental Lung Cancer: Carcinogenesis and Bioassays, International Symposium, 1974. (Karbe, E. and J.F. Parke, eds., Springer Verlag New York Inc.) p.92, 1974.*
- (5) *British Journal of Cancer. (Macmillan Press Ltd., Houndmills, Basingstoke, Hants, RG21 2XS, UK) v.41, p.908, 1980.*

**Other Available Sources of Data:**

*National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [2011(2003)] - NOHSC.*  
*Australian Dangerous Goods Code.*  
*Standard for the Uniform Scheduling of Drugs and Poisons - AHMAC.*  
*Exposure Standards for Atmospheric Contaminants in the Occupational Environment [1003]- NOHSC.*  
*List of Designated Hazardous Substances [10005] - NOHSC.*  
*Merck Index - Merck Inc.*  
*Sax's Dangerous Properties of Industrial Materials - Lewis.*  
*Handbook of Toxic and Hazardous Chemicals and Carcinogens - Sittig.*

*Handbook of Reactive Chemical Hazards - Bretherick.*  
*Hawley's Condensed Chemical Dictionary - Wiley Interscience.*  
*AUSREG's Chemical Data Package for PCs - AUSREG Consultancy.*