

Safety Data Sheet

according to WHS Regulations

Printing date 27.07.2018

Revision: 27.07.2018

1 Identification

Product Name: TCE STONE®

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

TCE Stone® quartz surfaces are designed for indoor use, particularly kitchen and bathroom worktops, flooring, cladding and other similar uses.

Details of Manufacturer or Importer:

TCE Stone (Oceania) Pty. Ltd.
2-8 Mayvic Street,
Greenacre, NSW, 2190

Phone Number: 02 9193 8281

Emergency telephone number: 0417 468 285, 0449 911 939

2 Hazard(s) Identification

Hazardous Nature:

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)



health hazard

Carcinogenicity 1A H350 May cause cancer.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

Signal Word Danger

Hazard Statements

H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

Additional Information

This product is a solid material. No hazards materials are released during normal use.

Cutting, sanding or drilling may generate fine dust containing hazardous materials.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 14808-60-7	Quartz (SiO ₂)	 Carcinogenicity 1A, H350; STOT RE 1, H372	<93%
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CAS: 14464-46-1	Cristobalite		<50%
CAS: 13463-67-7	Titanium oxide (TiO ₂)		<4%

Additional information:

This product also contains non-hazardous pigments and polyester resin.

The value given for quartz represents the total value, not the respirable fraction.

Dusts released during cutting, sanding or drilling may contain respirable quartz. Respirable quartz is a known carcinogen and can cause serious lung damage. Exposure to this product is not likely to cause harm under normal conditions, but it is recommended to determine the actual exposure through workplace testing.

4 First Aid Measures

Inhalation:

If dust is inhaled, remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

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

Eye Contact:

In case of eye contact with dust, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If large amounts are swallowed seek medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Symptoms Caused by Exposure:

Inhalation: Dust may cause respiratory irritation.

Skin Contact: Dust may cause skin irritation.

Eye Contact: Dust may cause eye irritation.

Ingestion: No adverse health effects expected.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical:

Thermal decomposition can release oxides of carbon and metals, mineral particles, various hydrocarbons, smoke and water.

This product is not flammable, but may decompose at high temperatures.

Product 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/particulate filter respirator 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.

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Methods and Materials for Containment and Cleaning Up:

Pick up large pieces and clean up the small pieces and dusts with a vacuum or by a wet sweeping technique.
Do not use compressed air.

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.
This product is heavy and breakable. Handle with care to avoid injury and prevent damage.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Protect from physical damage and strong impact. Keep away from hydrofluoric acid.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 14808-60-7 Quartz (SiO₂)**

WES	TWA: 0.1 mg/m ³ respirable dust
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CAS: 14464-46-1 Cristobalite

WES	TWA: 0.1 mg/m ³ respirable dust
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CAS: 13463-67-7 Titanium oxide (TiO₂)

WES	TWA: 10 mg/m ³
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Engineering Controls:

No hazards materials are released during normal use.

If cutting, sanding, or drilling, provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

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:

Skin protection is not required under normal use conditions.

Leather/pigskin, neoprene or nitrile gloves should be used when transporting or working with this product. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace.

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

Eye and Face Protection:

Eye and face protectors are recommended in situations where dusts may be generated. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:**Form:**

Solid engineered stone

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Colour:	Various colours
Odour:	Not applicable
Odour Threshold:	No information available
pH-Value:	Not applicable.
Melting point/freezing point:	Not applicable
Initial Boiling Point/Boiling Range:	Not applicable
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable.
Density:	2.188 - 2.405 g/cm ³
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	Not applicable

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: Physical damage and strong impact.

Incompatible Materials: Hydrofluoric acid.

Hazardous Decomposition Products:

Oxides of carbon and metals, mineral particles, various hydrocarbons, smoke and water.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

CAS: 14808-60-7 Quartz (SiO₂)

Oral	LD ₅₀	500-22,500 mg/kg (rat)
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CAS: 13463-67-7 Titanium oxide (TiO₂)

Oral	LD ₅₀	>20,000 mg/kg (rat)
Dermal	LD ₅₀	>10,000 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	6,082 mg/l (rat)

Acute Health Effects

Inhalation: Dust may cause respiratory irritation.

Skin: Dust may cause skin irritation.

Eye: Dust may cause eye irritation.

Ingestion: No adverse health effects expected.

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

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Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

May cause cancer.

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as Group 1 - Carcinogenic to humans.

Titanium dioxide is classified by IARC as Group 2B - Possibly carcinogenic to humans.

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:

Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

The prolonged and repeated exposure (by inhalation) to respirable (crystalline) silica cause silicosis, a debilitating lung disease. The crystalline silica dust is practically insoluble in body fluids and can be deposited in lungs. Cigarette smoking can reduce the clearance of crystalline silica. The data indicate that the relative lung cancer risk is increased for people with silicosis.

Existing Conditions Aggravated by Exposure: No information available**Additional toxicological information:** No information available

12 Ecological Information

Ecotoxicity: No adverse ecological effects are expected.**Aquatic toxicity:****CAS: 13463-67-7 Titanium oxide (TiO₂)**LC₅₀/96 h >1,000 mg/l (fish)LC₅₀/48 h >1,000 mg/l (daphnia)**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** This product is insoluble in water and so is not considered mobile in soils.**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

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15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 14808-60-7	Quartz (SiO ₂)
CAS: 68476-25-5	Feldspar
CAS: 14464-46-1	Cristobalite
CAS: 65997-17-3	Glass, oxide
CAS: 13463-67-7	Titanium oxide (TiO ₂)

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 27.07.2018**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)

Carcinogenicity 1A: Carcinogenicity – Category 1A

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

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 - February 2016"

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