

# Material Safety Data Sheet

Issue date: June 2010

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Dry Medium Ground Quartz.  
**Codes:** MDM25, MDM50  
**Use:** Educational, Decorative and Professional Painting.

Emergency number Mon-Fri 9am -5pm  
Tel: +61 2 9736 2022

**Manufacturer:**  
Derivan Pty. Ltd.  
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23 Leeds Street  
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## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Classified as Hazardous. Non-dangerous Goods.  
According to the Criteria of NOHSC and the ADG Code.

**Risk Phrases:** R48/23 Toxic: Danger of serious damage to health by prolonged exposure through inhalation.

**Safety Phrases:**  
S22 Do not breathe dust.  
S38 If insufficient ventilation, wear suitable respiratory equipment.  
S45 In case of accident or if you feel unwell seek medical advice.  
S37/39 Wear suitable gloves and eye/face protection.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	PROPORTION	CAS NUMBER
Quartz	99%	14808-60-7
Contains >20% respirable crystalline silica in the form of quartz.		

## 4. FIRST AID MEASURES

First Aid is not generally required. If in doubt, contact a poisons information centre (Aust. ph 131126 : NZ 0800 764 766) or a doctor.

**Inhalation:** Move to fresh air. Ensure airways are clear. Seek medical attention.

**Eyes:** Flush with water. If irritation persists seek medical attention.

**Skin:** Wash affected area. If irritation persists seek medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth with water; give as much water as can be comfortably consumed. If symptoms develop, seek medical attention.

**ADVICE TO DOCTOR:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use water, dry chemical, carbon dioxide or foam.

**Unusual Fire and Explosion Hazards:** No particular fire and explosion hazards associated with this product.

**Warning Statement:** Not combustible.

**Hazards from Combustion Products:** Under fire conditions, smoke, fumes and dust may be generated.

**Precautions for Fire Fighters and Special Protective Equipment:** Breathing apparatus will be required to prevent exposure to vapours, fumes, or dust.

**Flammability:** This material is not flammable.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** Avoid contact with skin and eyes. Do not breathe dust. Material may be slippery when spilt. Walk cautiously.

**Dangerous Goods** - Not applicable.

**Methods and Materials for Containment and Clean-up Procedures:** In case of gross spillage wear protective equipment to prevent skin and eye contact. Vacuum, shovel, sweep or mop up. Avoid raising dust clouds. Dispose according to local and national regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid direct contact with eyes or prolonged contact skin. Wear appropriate protective equipment to prevent eye contact. Handle and use in accordance with good occupational hygiene and safety practice.

**Conditions for Safe Storage:** Store in an area that is cool, dry and out of direct sunlight with adequate ventilation.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Exposure Standards:** No exposure standards are available for this product; however, the following exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC) to the following components of the product:

QUARTZ  
[TWA] 0.1 mg/m<sup>3</sup>

**Biological Limit Values:** Not known.

**Engineering Controls:** Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.

**Personal Protection Equipment:**

**Eye/Face Protection:** Safety glasses with side shields, goggles or full-face shield as appropriate are recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337

**Respiratory Protection:** Avoid breathing of vapours/mists; ensure adequate ventilation. Where breathing apparatus is required, use either respirator with replaceable particulates filter, or a Self-Contained Breathing Apparatus (SCBA) with positive air supply. All breathing apparatus to comply with AS/NZS 1715/1716.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White Powder

**Odour:** Odourless.

**Melting Point:** 1700°C

**Vapour Pressure:** Not applicable.

**Specific Gravity:** 2.6

**Flash Point:** Non Allocated – Non Combustible.

**Flammability Limits:** Not applicable.

**Solubility in Water:** Insoluble.

**pH:** Not applicable.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal storage and handling conditions.

**Hazardous Decomposition Products:** None known.

**Hazardous Reactions:** Hazardous polymerization will not occur.

**Incompatible Materials:** None known.

**Conditions to Avoid:** None known.

## 11. TOXICOLOGICAL INFORMATION

Respirable crystalline silica (particle size smaller than 7 micrometers), is regarded as a danger to health by prolonged exposure through inhalation. Repeated, prolonged or concentrated inhalation of respirable crystalline silica dust may lead to silicosis, a serious lung disease. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

**Acute Health Effects:**

**Ingested:** Ingestion of large amounts may irritate the gastric tract causing nausea and vomiting.

**Eye:** May cause mechanical irritation.

**Skin:** May cause mild irritation in the case of some individuals with sensitive skin.

**Inhaled:** May cause shortness of breath, and aggravate asthma and inflammatory or fibrotic pulmonary disease. May cause lung disease. Acute aspiration may cause cough, dyspnea, sneezing, vomiting, cyanosis, and pulmonary edema which may be delayed by up to several hours.

**Chronic Health Effects:**

Toxic, danger of serious damage to health by prolonged exposure through inhalation. This product contains free crystalline silica. Repeated, prolonged or concentrated inhalation of respirable crystalline silica dust may lead to silicosis, a serious lung disease. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill-health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other serious diseases including heart disease and scleroderma. Crystalline silica has been classified by the International Agency of Research on Cancer (IARC) as carcinogenic to humans by inhalation. Furthermore, crystalline silica can cause silicosis or other lung diseases on prolonged exposure.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not known.

**Mobility:** Not known.

**Persistence / Degradability:** Not known.

Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of dry product to usual/household waste stream.

**Container Handling and Disposal:** When containers are empty, residue can be washed out and the containers disposed of via general/household recycling stream.

## 14. TRANSPORT INFORMATION

**UN Number:** None allocated

**UN Proper Shipping Name:** None allocated

**Dangerous Goods Class:** None allocated

**Subsidiary risk:** None allocated

**Packing Group:** None allocated

**Hazchem Code:** None allocated

**Road and Rail Transport (ADG):** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) for transport by road and rail.

**Marine Transport (IMO/IMDG):** Not classified as a Dangerous Good according to the International Maritime Organization Rules (Maritime Dangerous Goods Code - IMDG Code) for transport by sea.

**Air Transport (ICAO-IATA):** Not classified as a Dangerous Good according to the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. Note: May vary from country to country.

## 15. REGULATORY INFORMATION

**SUSDP:** not scheduled

**Inventory Status:**

**Australia (AICS)** All ingredients are on the inventory or exempt from listing.

**United States (TSCA)** All ingredients are on the inventory or exempt from listing.

## 16. OTHER INFORMATION

**Date of Preparation:** 7.6.2010

**Issue date:** 7.6.2010

**Reasons for Update:** General update.

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission

ADG Code - The Australian Dangerous Goods for the Transport of Dangerous Goods by Road and Rail, (ADG Code)

TWA - Time Weighted Average

STEL - Short Term Exposure Limit

EPA - Environmental Protection Agency

Principal References:

- The National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition
- NOHSC:2011(2003)
- Standard for the Uniform Scheduling of Drugs and Poisons No. 21 Effective date 1 June 2006
- National Exposure Standards for Atmospheric Contaminants in the Occupational Environment
- [NOHSC:1003(1995)]
- The Australian Dangerous Goods for the Transport of Dangerous Goods by Road and Rail, (ADG Code).

Disclaimer:

The above information is accurate to the best of the knowledge available to us. However, since data, safety standards and Government regulations are subject to change, and the conditions of handling and use (or misuse) are beyond our control, we make no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein AND disclaim all liability for reliance thereon. Users should satisfy themselves that they have all data relevant to their particular use.

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