

# Material Safety Data Sheet

Issue date: June 2010

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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

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

**Manufacturer:**  
Derivan Pty. Ltd.  
ABN 36003273  
23 Leeds Street  
Rhodes 2138  
AUSTRALIA  
Tel: +61 2 9736 2022  
Fax: +61 2 9736 3637

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Non-hazardous. Non-dangerous Goods.  
According to the Criteria of NOHSC and the ADG Code.  
**Hazard Category:** None allocated as non hazardous.  
**Risk Phrases:** None allocated as non hazardous.  
**Safety Phrases:** None allocated as non hazardous.  
**Warning Statement:** No particular hazards associated with this product.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	PROPORTION	CAS NUMBER
Sodium Borosilicate Powder	> 99.5%	50815-87-7
Siloxane, Methyl Hydrogen	< 0.5%	63148-57-2

## 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. If irritation persists 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. 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:** None - Not combustible.

**Hazards from Combustion Products:** Not combustible.

**Precautions for Fire Fighters and Special Protective Equipment:** Not combustible.

**Hazchem Code:** None allocated.

**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.

## 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. Avoid breathing dust. Handle and use in accordance with good occupational hygiene and safety practice.

**Conditions for Safe Storage:** Keep containers closed at all times. Storage in original containers is recommended.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Exposure Standards:** No exposure standards are available for this product.

Nuisance Dust, Inspirable  
[TWA] 17 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. Consider potential electrostatic charge may occur when transferring product.

**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. Respiration is generally unnecessary. Where breathing apparatus is required, use either respirator 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:** Fine white powder.

**Odour:** No odour.

**Melting Point:** > 350°C

**Vapour Pressure:** Not applicable.

**Specific Gravity:** Not applicable.

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

**Flammability Limits:** Not applicable.

**Solubility in Water:** Insoluble.

**pH:** 7.0 – 9.0

## 10. STABILITY AND REACTIVITY

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

**Hazardous Decomposition Products:** If overheated the siloxane coating will start decomposing above 150°C and release trace formaldehyde vapours, that may build up in enclosed areas, and cause irritation..

**Hazardous Reactions:** None known.

**Incompatible Materials:** Strong oxidising agents may react with siloxane.

**Conditions to Avoid:** Dust cloud formation.

## 11. TOXICOLOGICAL INFORMATION

Symptoms and effects that may arise if the product is mishandled and overexposure occurs:

**Acute Health Effects:**

**Ingested:** May cause irritation to mouth, throat and stomach.

**Eye:** May cause irritation to the eyes.

**Skin:** May cause irritation to the skin on prolonged contact.

**Inhaled:** May cause irritation to the nose, throat and respiratory system.

**Chronic Health Effects:** None known.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** The Boron content in this borosilicate matrix, is not able to be released into the environment in quantities that cause harm.

*Note:* Boron is an essential element for growth of plants, but at higher levels, greater than 0.75 mg/l, boron is toxic to some plants, particularly citrus crops.

**Mobility:** Will float on water. Expected to be immobile in soil.

**Persistence / Degradability:** The material is stable and does not readily degrade.

Avoid contaminating waterways. Insoluble in water. Will float on water due to its hollow nature. Not expected to be an environmental hazard, but may physically block systems.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of dry product to usual/household waste stream. Small amounts of wet paint can be disposed of in usual waste stream however large amounts of wet product should be disposed of by a licensed contractor.

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

If the contents of the container are left to dry out, the residual product can be peeled from the container (may need to be soaked in water for a day or two) and disposed of to usual/household waste stream, while the containers are 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:

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