

# Material Safety Data Sheet

Issue date: June 2010

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Dry Medium Ferrous Powder  
**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  
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## 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
Iron	100%	231-096-4
Carbon	MAX 0.02%	231-153-3

## 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.

**Eyes:** Flush with water. If symptoms appear seek medical advice.  
**Skin:** Avoid prolonged contact. If symptoms appear seek medical advice.  
**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:** For very fine powder (-45um) there is a risk of dust explosion.  
**Warning Statement:** Incombustible Product.  
**Hazards from Combustion Products:** None.  
**Precautions for Fire Fighters and Special Protective Equipment:** None.  
**Hazchem Code:** None allocated.  
**Flammability:** This material is not flammable.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** Avoid contact with skin and eyes.

**Dangerous Goods** - Not applicable.

**Methods and Materials for Containment and Clean-up Procedures:** Spillage to be cleared with vacuum equipment, protected against static electricity, to avoid excess dust.

## 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 a dry condition. Keep containers closed, when not using the product.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**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 dusts; ensure adequate ventilation. Where breathing apparatus is required, use either respirator with fine particle filter (P2), 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:** Grey, fine-grained metal powder.

**Odour:** None

**Melting Point:** 1535°C

**Vapour Pressure:**

**Density:** 2.35 – 2.50 g/cm<sup>3</sup>

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

**Flammability Limits:** Not applicable.

**Solubility in Water:** Insoluble

## 10. STABILITY AND REACTIVITY

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

**Hazardous Decomposition Products:** None.

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

**Conditions to Avoid:** Strong oxidizers and strong acids.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

**Acute Health Effects:**

**Ingested:** None.

**Eye:** Will cause irritation to the eyes at direct contact.

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

**Inhaled:** In extreme cases may cause irritation to the nose, throat and respiratory system.

**Chronic Health Effects:** None.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not known.

**Mobility:** Not known.

**Persistence / Degradability:** Not known.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Spillage to be cleared with vacuum equipment, protected against static electricity, to avoid excess dust. 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:** Updating old MSDS

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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