

# Material Safety Data Sheet

Issue date: January 2007

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Matisse Medium MM1 Drying Retarder  
**Codes:** MM1  
**Use:** Educational, Decorative and Professional Painting

**Manufacturer:**  
Vynol Derivan Pty. Ltd. t/a Matisse Derivan  
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## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Non-hazardous substance. 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
1,2-propanediol	< 99%	57-55-6
Water	to 100%	

## 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 eyes with water holding eyelids open. Rest eyes for 30 minutes. If redness, burning, blurred vision or swelling persists, seek medical advice.

**Skin:** Avoid prolonged contact.

**ADVICE TO DOCTOR:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** In case of fire, appropriate extinguishing media include dry chemical powder, carbon dioxide, protein based foam and sand. Water may be used to cool fire-exposed containers.

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

**Warning Statement:** Product will burn under fire conditions, after the evaporation of the water component.

**Hazards from Combustion Products:** Under fire conditions, product will emit Carbonyl and dioxolane derivatives

**Precautions for Fire Fighters and Special Protective Equipment:** Breathing apparatus will be required to protect against the hazards from combustion products under extreme heat.

**Hazchem Code:** None allocated.

**Flammability:** Combustible Liquid.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** Avoid contact with skin and eyes. Material may be slippery when spilt. Walk cautiously. Ventilate area.

**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. Bund area using dry sand or other inert materials to prevent run off into drains and waterways. Pump or scoop any free liquid into an appropriate container for disposal. Clean up spill area with absorbent dry sand, vermiculite or other inert material. Collect and seal in properly labelled container(s) for disposal as per local regulations. Do not flush to drains, waterways or sewers.

## 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. Store away from strong oxidising agents, strong alkalis and strong acids. Store away from materials or products which react with water. Keep containers closed, when not using the product. Storage in original containers is recommended. Store away from heat sources. Avoid extreme temperatures (i.e.  $<5^{\circ}\text{C}$  or  $>35^{\circ}\text{C}$ )

Note: Should freezing occur, the product should be thawed slowly.

Keep container sealed when not in use.

**National Exposure Standards:** TWA: 150ppm - 474mg/m<sup>3</sup> (vapour and particulates) TWA: 10mg/m<sup>3</sup> (particulates only).

**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. Respiration is generally unnecessary; unless working with spray applying (airbrush equipment or some other form of atomizing spray equipment). Where breathing apparatus is required, use either respirator with organic/ammonia cartridge, 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:** Clear.

**Odour:** Odourless.

**Boiling Point:**  $\sim 186^{\circ}\text{C}$

**Vapour Pressure:** 0.07 mm Hg (1 atmosphere)

**Specific Gravity:** 1.038

**Flash Point:** Open Cup  $99^{\circ}\text{C}$

**Flammability Limits:** Lower 2.6%, Upper 12.6%, Ignition Temp  $415^{\circ}\text{C}$

**Solubility in Water:** Soluble.

## 10. STABILITY AND REACTIVITY

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

**Hazardous Decomposition Products:** Carbonyl and dioxolane derivatives.

**Hazardous Reactions:** Hazardous polymerization has been reported.

**Incompatible Materials:** Strong oxidizing agents, strong acids, and sources of ignition.

**Conditions to Avoid:** Avoid substances which are incompatible with water. Avoid extreme temperatures (ie <5°C or >35°C)

## 11. TOXICOLOGICAL INFORMATION

Oral LD50: >2000mg/Kg Dermal LD50 Rabbit: >2000mg/Kg Inhaled LC50: Greater than near-saturated vapour concentration. Skin Irritation: Not irritating. Eye Irritation: Essentially non-irritating. Respiratory Irritation: Not expected to be irritating. Sensitization: Not a skin sensitizer. Repeated Dose Toxicity: Low systemic toxicity on repeated exposure.

Cats given high doses of MPG in diet showed a decrease in red blood cell survival. Mutagenicity: Not mutagenic.

Carcinogenicity: Not carcinogenic in animal studies. Reproductive Toxicity: Does not impair fertility.

### **Acute Health Effects:**

**Ingested:** May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

**Eye:** Will cause irritation to the eyes, with effects including tearing, pain, and blurred vision.

**Skin:** May cause irritation to the skin on prolonged contact, with effects including redness, itchiness and rash.

**Inhaled:** In extreme cases (due to lack of adequate ventilation) may cause irritation to the nose, throat and respiratory system with effects including dizziness, headache.

### **Chronic Health Effects:**

In some susceptible individuals possible dermatitis may occur after repeated or prolonged skin contact.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not known.

**Mobility:** Not known.

**Persistence / Degradability:** Readily biodegradable.

Avoid contaminating waterways.

## 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:** C1  
**Subsidiary risk:** Non-Hazardous actdg  
**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:** 23.1.2007

**Issue date:** 28.1.2007

**Reasons for Update:** Comply with new format.

**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:**

- Material Safety Data Sheet (MSDS) – MM1 Retarder Material Safety Data Sheet., Issue Date: December 2005
- 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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