

Material Safety Data Sheet

Issue date: January 2012

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Matisse Professional Acrylic Colours *Structure/Flow*
(Cadmium Colours) Cadmium Yellow Medium,
Cadmium Yellow Light, Cadmium Orange, Cadmium Orange Deep,
Cadmium Red Medium

Codes: M7, M2, M5, MF7, MF5, MF1

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

Manufacturer:
Derivan Pty Ltd
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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: R33 – Danger of cumulative effects.

R45 – May cause cancer.

R40/20/21/22 – Harmful: Possible risk of irreversible effects through inhalation, skin absorption and if swallowed.

Safety Phrases: S2 – Keep out of reach of children.

S20 – When using, do not eat or drink.

S24 – Avoid contact with skin.

S38 – In case of insufficient ventilation, wear suitable respiratory equipment.

S53 – Avoid exposure – obtain special instructions before use.

Warning Statement: POISON – NOT TO BE TAKEN, KEEP OUT OF REACH OF CHILDREN

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	PROPORTION	CAS NUMBER
Water based Acrylic		
Co-polymer emulsion	< 45%	Proprietary
Cadmium Pigments	< 23%	Various
Surfactants, Dispersants, etc	< 9%	Various
Ammonia	< 0.5%	1336-21-6
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.

Swallowed: Do not induce vomiting. Seek medical advice.

Eyes: Flush with copious amounts of water.

Skin: Wash with plenty of soap and water.

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

Hazards from Combustion Products: Under fire conditions, oxides of selenium and sulphur and other sulphur compounds. Cadmium and barium compounds.

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: This material is not flammable.

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 containers sealed when not in use to prevent skinning.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: The following exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC) to the following components of the product:

CADMIUM

[TWA] 0.01 mg/m^3

BARIUM SULPHATE

[TWA] 10 mg/m^3

AMMONIA, AQUEOUS SOLUTION (Below Cut-off $<0.5\%$) (NOHSC)

[TWA] 25 ppm 17 mg/mL

[STEL] 35 ppm 24 mg/mL

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: Colourant

Odour: Pleasant perfumed Acrylic Odour.

Boiling Point: ~100°C

Vapour Pressure: Not Tested.

Specific Gravity: 1.01-1.4 (depending on colour)

Flash Point: Non Allocated – Non Combustible.

Flammability Limits: Not applicable.

Solubility in Water: Soluble.

pH: 8.0 – 10.0

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal storage and handling conditions.

Hazardous Decomposition Products: Under fire conditions, oxides of selenium and sulphur and other sulphur compounds. Cadmium and barium compounds.

Hazardous Reactions: Hazardous polymerization will not occur.

Incompatible Materials: Concentrated acids may release toxic and flammable Hydrogen Sulphide gas.

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

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: 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 be absorbed through the skin and be harmful. Major skin exposure may lead to health problems.

Inhaled: Inhalation may cause short term health problems.

Chronic Health Effects:

Long term exposure may lead to permanent health problems.

Carcinogenicity: Elemental cadmium is a probable human carcinogen. Probable human carcinogens are those substances for which there is sufficient evidence to provide a strong presumption that human exposure might result in the development of cancer. This evidence is based on appropriate long term animal studies, limited epidemiological evidence or other relevant information.

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. 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: 25.01.2012

Issue date: 27.01.2012

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:

- Material Safety Data Sheet (MSDS) – Matisse Professional Acrylic Colours 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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