Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Derivan Fabric Art Paints
Codes: DERFAPC
Use: Educational, Decorative Fabric Screen Printing and Painting

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

Supplier:
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2. HAZARD IDENTIFICATIONS

Hazard Classifications: Non-hazardous substance and 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
Water based acrylic copolymer emulsion	30 – 50%	Proprietary
Pigments	20 – 30%	Various
Surfactants and dispersants	5 – 10%	Various
Ammonia	0 - 1%	1336-21-6
Water	Too 100%	N/A

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

4. FIRST AID AND MEASURES

Eyes: Flush with water.
Skin: Wash with soap and water to remove.
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.
Hazards from Combustion Products: Under fire conditions, toxic fumes may be emitted. In extreme heat oxides of carbon and sulphur dioxide gas may be released.

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 under normal conditions.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Avoid contact with 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 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. 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 it from strong oxidising agents, strong alkalis and strong acids. Store it away from materials or products which react with water. Keep containers closed, when not using the product. Storage in original containers is recommended. Store It away from heat sources. Avoid extreme temperatures (i.e. <5°C or >35°C)
Note: Should freezing occur the product should be thawed slowly.
Keep containers sealed when not in use for hygiene purposes.

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:
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 are to comply with AS/NZS 1715/1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorant
Odour: Pleasant perfumed Acrylic Odour.
Boiling Point: ~100°C
Vapour Pressure: Not Tested.
Specific Gravity: 1.01-1.4 (depending on colour)
Flash Point: 101°C.
Flammability Limits: Not applicable.
Solubility in Water: Soluble.
pH: 8.0 – 10.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal storage and handling conditions.
Hazardous Decomposition Products: Under fire conditions, toxic fumes may be emitted. In extreme heat oxides of carbon and sulphur dioxide gas may be released.
Hazardous Reactions: Hazardous polymerization will not occur.
Incompatible Materials: Reacts with substances which are incompatible with water.
Conditions to Avoid: Avoid substances which are incompatible with water. Avoid extreme temperatures (i.e. <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 cause irritation to sensitive 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

Eco toxicity: Not known.
Mobility: Not known.
Persistence / Degradability: Not known. Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of dry product into usual/household waste stream. Small amounts of face paint sticks 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 and it can be 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.
SUSDP: Not scheduled

15. REGULATORY INFORMATION

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: **29/01/2015**
Issue date: **30/01/2015**

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) – Derivan Fabric Art Paint Material Safety Data Sheet. Issue Date: May 2013.

- 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 disclaims all liability for reliance thereon. Users should satisfy them that they have all data relevant to their particular use.