



David Stewart Holdings

DAVID STEWART HOLDINGS PTY LTD

ABN: 56 120 230 266

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **AQUATINT™**

Company Identification: **DAVID STEWART HOLDINGS PTY LTD**
PO Box 697
Kings Langley, NSW 2147, Australia
www.davidstewart.com.au

Telephone number: 02 8824 9097

24-hour emergency number 0418 641 989

Intended Product Use: Colourant

2. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name	Amount	CAS Number
Proprietary Colourant Blend	100.0%	Proprietary

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This material is a concentrated colourant. The health hazards of this product should be low under normal industrial and commercial uses. Do not allow material to enter soil or surface water.

HFRP Rating:

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

EYE:

May cause eye irritation. Not known to cause permanent injury to eye tissue.

SKIN:

Not expected to be a skin irritant.

INHALATION:

No information regarding inhalation available.



INGESTION:

Essentially non-toxic. No adverse effects due to ingestion are expected.

ENVIRONMENTAL EFFECTS:

Not expected to be harmful to aquatic organisms.

4. FIRST AID MEASURES

EYE:

Flush thoroughly with water. If irritation occurs, get medical attention.

SKIN:

Wash skin thoroughly soap and water for several minutes. Immediately remove contaminated clothing. Get medical attention if any discomfort continues.

INHALATION:

Under normal conditions of intended use, this material is not expected to be an inhalation hazard. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Get medical attention if any discomfort continues.

INGESTION:

Give one or two glasses of water if patient is alert and able to swallow. Seek immediate medical attention. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

FIRE FIGHTING MEDIA:

Water spray, foam, dry powder or carbon dioxide.

FIRE FIGHTING INSTRUCTIONS:

Use standard fire fighting procedures and consider the hazards of other involved materials. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces, SCBA. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons

ACCIDENTAL RELEASE MEASURES:

Do not allow to enter drains, sewers or watercourses. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Collect and dispose of spillage as indicated in section 13 of the MSDS.



6. ACCIDENTAL RELEASE MEASURES

SAFETY ADVICE:

Non-hazardous substance. Wear appropriate personal protective equipment.

SPILL CLEANUP METHODS:

This material is a concentrated colorant. Do not allow material to enter soil or surface water dam and absorb spillage with sand, sawdust or other absorbent. In case of spills, beware of slippery floors and surfaces. Report spills as required to appropriate authorities.

7. HANDLING AND STORAGE

HANDLING:

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. Wash promptly with soap and water if skin becomes contaminated. Practice good housekeeping. Provide adequate ventilation if fumes or vapours is generated. Avoid prolonged contact with skin or eyes.

HANDLING / PHYSICAL HAZARDS:

Store in a cool place but keep from freezing. Store at temperature below 50°C.

STORAGE PRECAUTIONS:

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames and high temperatures. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION:

Wear necessary protective equipment. Avoid contact with eyes and prolonged skin contact. Where contact with this material is likely, chemical goggles are recommended.

SKIN AND BODY PROTECTION:

Wash promptly with soap and water if skin becomes contaminated. Wear protective gloves to minimize skin contamination. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

PERSONAL PROTECTION:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

RESPIRATORY PROTECTION:

No protection is ordinarily required under normal conditions of use and with adequate ventilation.



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOUR:	Dark Blue
ODOUR:	Mild sweet
BOILING POINT:	100°C
SOLUBILITY IN WATER:	Completely Soluble
SPECIFIC GRAVITY:	1.116 (Water =1)
MELTING / FREEZING POINT:	< 0°C
pH:	3.5 - 5.5
VOLATILES:	40 %

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the MSDS for additional personal protection advice when handling this product.

HAZARDOUS POLYMERIZATION:

Hazardous polymerisation will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposition will not occur if handled and stored properly.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY - ORAL:

Type: LD50

Species: Rats

Result: > 5000mg/kg

No test data are available for the complete formulated material. The potential health hazards described were based upon a comparison with similar materials.

SKIN IRRITATION:

Species: Rabbit

Slightly irritating. No test data are available for the complete formulated material. The potential health hazards described were based upon a comparison with similar materials.

EYE IRRITATION:

Species: Rabbit

Slightly irritating.

SKIN SENSITIZER:

SPECIES: Guinea Pig

Not a skin sensitiser.

GENETIC TOXICITY IN VITRO:

Type: Ames Assay

Result: Negative



12. ECOLOGICAL INFORMATION

ACCUTE TOXICITY AQUATIC:

Species: Ceriodaphnia
Exposure Time: 48 hours
Result: 3574 mg/L.

BIODEGRADATION:

Expected to be inherently biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS:

This material is a concentrated colourant. Avoid washing material into sewer systems without proper treatment and authorization by the treatment facility management. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle empty containers at an appropriate facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal. Ensure containers are tightly sealed..

14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

Not Regulated as Hazardous Material (Dangerous Goods) for Transportation

INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG):

Not Regulated as Hazardous Material (Dangerous Goods) for Transportation

INTERNATIONAL AIR TRANSPORTATION ASSOCIATION (IATA)

Not Regulated as Hazardous Material (Dangerous Goods) for Transportation

15. REGULATORY INFORMATION

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).
Additional information is available by request.

16. OTHER INFORMATION

Material Number: 3000004449
Approval Date: Version 1.9 / 03-09-2011
Person to contact: **DAVID STEWART HOLDINGS PTY LTD Tel: 02 8824 9097**

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