

DAVID STEWART HOLDINGS PTY LTD
19 Keturah Close Glenwood NSW 2768
Telephone & Fax 02 8824 9097

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product name: **AQUATINT™**

Company: **DAVID STEWART HOLDINGS PTY LTD**
19 Keturah Close,
Glenwood, NSW 2768, Australia

Telephone number: 02 8824 9097

24-hour emergency telephone number 02 8824 9097

Product Use: Colourant

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component Listing:

Chemical Name:	Amount	CAS Number
PROPRIETARY COLOURANT	100.0%	Proprietary

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

The health hazards of this product should be low under normal industrial and commercial uses. May cause skin or eye irritation after repeated or prolonged contact. This material is a concentrated colourant.

HFRP Rating:

Health - 1
Flammability - 0
Reactivity - 0
Personal Protection Index - B

EYE:

May be slightly irritating. Not known to cause permanent injury to eye tissue.

SKIN:

Prolonged or repeated skin contact may cause irritation. Not expected to be a skin irritant.

INHALATION:

No information regarding inhalation available. No hazards expected in normal industrial use.

INGESTION:

No information regarding ingestion available. No hazards expected in normal industrial use.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Wash affected area with large amounts of soap and water. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Contact a physician.

5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: >260°C (>500°F)

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire / explosion situation

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self contained breathing apparatus pressure-demand MSHA / NIOSH (approved or equivalent) and full protective gear. Avoid breathing smoke, fumes, and decomposition products. Contain runoff water. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment. Evacuate non-emergency personnel to a safe area.

SPILL PROCEDURE:

This material is a concentrated colorant. Water will increase the amount of colorant contamination. Do not allow material to enter soil or surface water. Clean up area by absorbent material. Take up and place in secure closed containers. All waste materials should be packaged, labelled and transported in accordance with all national, state/provincial and local requirements.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

HANDLING (PHYSICAL ASPECTS):

Avoid extreme temperatures. Keep container closed to avoid contamination.

STORAGE PRECAUTIONS:

Protect containers from physical damage. Do not stack drums more than three pallets high.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels.

EYE/FACE PROTECTION REQUIREMENTS:

Wear safety glasses. Where contact with this material is likely, chemical goggles are recommended.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. For brief contact, normal work attire should be sufficient. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation no special respiratory protective equipment is required.

EXPOSURE GUIDELINES:

No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOUR:	Dark Blue
ODOUR:	Slight, sweet odour
BOILING POINT:	215°C
VAPOUR PRESSURE:	N/A mm Hg
VAPOUR DENSITY:	N/A (Air =1)
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.116 (Water =1)
MELTING / FREEZING POINT:	<32°C
pH:	Mildly acidic
% VOLATILES:	40 (approx) %

10. STABILITY AND REACTIVITY**STABILITY:**

This compound is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerisation will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.

11. TOXICOLOGICAL INFORMATION**TOXICOLOGICAL TESTING:**

The following tests were performed on a structurally analogous material:

The acute oral toxicity (LD50) in rats for this material was determined to be greater than 5000mg/kg.

Primary Eye Irritation (Rabbit): Practically Non-Irritating.

Primary Dermal Irritation (Rabbit) Minimally Irritating.

Skin Sensitization (Guinea Pig): Not a Skin Sensitiser.

The material, as tested, was found to be NEGATIVE in vitro for mutagenicity by Ames assay.

12. ECOLOGICAL INFORMATION**ECOLOGICAL TESTING:**

42-day biodegradability under OECD guidelines. The material, as tested, is regarded as inherently biodegradable.

48-Hour Acute Aquatic Toxicity (Ceriodaphnia dubia): 3574 mg/L.

13. DISPOSAL CONSIDERATIONS**WASTE DISPOSAL:**

Uncleaned empty containers should be disposed of in the same manner as the contents. Due to the highly concentrated colour, avoid washing material into sewer systems without proper treatment and authorization by the treatment facility management. All waste materials should be packaged, labelled and transported in accordance with all national, state / provincial, and local requirements.

14. TRANSPORT INFORMATION

PRODUCT LABEL: AQUATINT™
D.O.T. HAZARD CLASS: Non-Hazardous

15. REGULATORY INFORMATION**CHEMICAL INVENTORY INFORMATION:**

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This product or some of its components meet the requirement for the polymer exemption of the European Union COUNCIL DIRECTIVE 92/32/EEC of 30 April 1992 amending for the seventh time Directive 76/548/EEC, on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

EEC symbols and Indications of Danger:

None

R-Phrases:

None

S-Phrases:

None

16. OTHER INFORMATION:

MSDS Number: 710230
Approval Date: March 1, 2005

Person to contact: **DAVID STEWART HOLDINGS PTY LTD Tel: 02 8824 9097**

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