

MATERIAL SAFETY DATA SHEET (AQUACRYL BINDING MEDIUM)

Revision: Number 5
Date 1 May, 2012

SECTION 1 Product & Supplier Identification

Product Name : Aquacryl Binding Medium
Other Names : None
Company : Educational Colours Pty Ltd
Address : P.O. Box 657, Croydon, Victoria, Australia 3153
Telephone : (03) 9729-0788 **After Hours :**

USE : An additive to help improve gloss and increase transparency of acrylic paints.

SECTION 2 Hazards Identification

Not classified as hazardous according to the criteria of Worksafe Australia

Dangerous Goods Class/Subsidiary Risk : None

Safety / Risk Phrases : None

SECTION 3 Ingredient Composition / Information

| <u>Chemical Entity</u> | <u>CAS No.</u> | <u>Proportion (to 100%)</u> |
|------------------------------|----------------|-----------------------------|
| Styrenated Acrylic Copolymer | | 40 - 55% |
| Ammonia (Solution 35%) | | 0 - 1 % |
| Styrene | 100-42-5 | 0 - 0.1% |
| Acrylic monomer | | 0 - 0.1% |
| Biocide | | 0 - 0.1% |

SECTION 4 First Aid Measures

Swallowed : Rinse mouth thoroughly with water. Seek medical attention.

Eye : Irrigate with copious quantities of water for atleast 15 mins. Lift eyelids occasionally. Seek medical attention.

Skin : Wash off with soap and water. Remove contaminated clothing. If irritation persists seek medical advice.

Inhalation

of Vapours : Remove person to a well ventilated area. Seek medical assistance if symptoms persist.

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SECTION 5 Fire Fighting Measures

Extinguishing Media : Use CO₂, Dry chemical, foam or water spray.

Fire / Explosion

Hazards : Product will not support combustion. However dried polymer will burn.

Flammability: This product is water based and is non flammable. The dry polymer however will burn.

SECTION 6 Accidental Release Measures

Spills & Disposal : Heed advice under Section 8 "Personal Protection". Contain spill to prevent contamination to drains / water ways. Use sand, earth or other inert absorbent material. Collect and seal in clearly and properly labelled containers for disposal in accordance with local regulations. If required, wash area with water.

SECTION 7 Handling & Storage

General : Avoid freezing. Store in a cool, dry location away from direct sunlight and sources of heat. Keep containers tightly closed when not in use. Store in clearly labelled containers.

SECTION 8 Exposure Controls / Personal Protection

Exposure Standards : No value assigned for this specific product by the NOHSC.

Engineering Controls : No special precaution necessary, general ventilation should be sufficient.

Personal Protection : Use and maintain good industrial hygiene. Avoid skin and eye contact by wearing impervious gloves and goggles. Always wash hands after use. Do not eat, smoke or drink when handling this product.

SECTION 9 Physical & Chemical Properties

Appearance : White liquid.
Odour : Faint acrylic.
pH : Between 8.00 – 9.00
Vapour Pressure : Not available
Boiling Point : 100°C
Melting Point : Not applicable
Solubility in water : Completely miscible
Specific Gravity : Between 1.03 – 1.09
Flammability Limits : Non flammable in liquid form. Dried polymer will burn.

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SECTION 10

Stability & Reactivity

Chemical Stability : This product is considered to be stable.

Conditions to avoid : No specific data available for this product. However, it is recommended that sources of heat, pressure and physical stress be avoided.

Incompatible Materials : None listed.

Hazardous

Decomposition : If engulfed in fire product may give rise to the release of obnoxious fumes.

Hazardous Reactions : This product will not undergo hazardous polymerisation.

SECTION 11

Toxicological Information

There is no specific toxicity information available for this product. There are no adverse health effects expected if the product is handled in accordance with this Safety Data Sheet. Symptoms that may arise if the product is mishandled are,

Health Effects - Acute :

Swallowed : No data available, but polymer is expected to be harmful.

Eye : Mild irritant.

Skin : Prolonged contact may cause minor irritation in some individuals.

Inhalation

of Vapours : Excessive exposure may cause irritation to eyes, nose and throat..

Chronic Effects : No data available, but polymer is expected to be harmful.

Additional Information : (i) This product contains no egg, dairy, soy, wheat or peanut products, by-products or derivatives.

SECTION 12

Ecological Information

Ecotoxicity : No specific data is available for this product. However, do not release this product or any water contaminated with this product into drains, soils or waterways. Sufficient measures should be taken to retain the water used in extinguishing any fires involving this product. Dispose of contaminant in accordance with local landfill or incineration regulations.

**Persistence /
Degradation :**

No specific data available.

Mobility :

No specific data available.

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SECTION 13

Disposal Considerations

Disposal Methods : Dispose of this product and any water contaminated with this product in accordance with local regulations. The container in which the product is / was contained should also be disposed of in accordance with local regulations.

Landfill / Incineration

Precautions : Disposal of contaminant should be in accordance with local regulations for approved landfill or incineration.

SECTION 14

Transport Information

U.N. Number : None allocated
Shipping Name : None allocated
D.G. Class & Sub Risk : None allocated
Packing Group : None allocated
Special Precautions : No special precautions for transport
Hazchem Code : None allocated

SECTION 15

Regulatory Information

Poisons Schedule : None allocated

Additional Requirements : None

All components are listed in the Australian Inventory of Chemical Substances.

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