

MATERIAL SAFETY DATA SHEET

This product is classified as a Non Hazardous Substance according to criteria of NOHSC Australia

1. IDENTIFICATION OF THE MATERIAL

Product Name: Silk Emulsion
Other Names; Aqueous Overprint Varnish
Product Code: W200
Supplier: GSB Chemical Co. Pty. Ltd Telephone: +61 03 9457 1125
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Major Uses and Methods of Application: An overprint varnish for printed material

2. COMPOSITION

	CAS No.	PROPORTION
Alkyl acrylate-styrene copolymer	Proprietary	>60% w/w
Isopropanol	67-63-09	<10% w/w
Dipropylene glycol alkyl ether		<10% w/w

3. HAZARDS IDENTIFICATION

Non Hazardous

4. FIRST AID MEASURES

For advice, contact a Poisons information Centre (Phone Australia 13 1126, New Zealand 0 800 764766)

Swallowed: Do NOT induce vomiting. Give 1 – 3 glasses of water and seek medical attention

Eye: Flush with flowing water for at least 15 minutes, and if symptoms persist, seek medical attention.

Skin: Remove contaminated clothing, wash skin thoroughly with soap and water. Wash contaminated clothing before reuse. Seek medical advice if effects persist

Inhalation: If irritated, remove affected patient to fresh air

Advice to Doctor: Treat symptomatically based on assessment by doctor and individual reactions of patient

5. FIRE FIGHTING MEASURES

Product will not support combustion. However, polymer will burn in a general fire, once all the water has been driven off. Products of combustion include carbon monoxide and carbon dioxide.

Use dry chemical, foam, CO₂ or water spray (fog).

6. ACCIDENTAL RELEASE MEASURES

Spilled product may make floors and surfaces slippery.

Shut off all sources of ignition, contain spill and recover spilled product for safe disposal. Remainder can be soaked into an inert absorbent (vermiculite, sand, etc.).

7. HANDLING AND STORAGE

Ensure containers are kept closed when not in use.

Store in a cool dry place away from heat.

8. EXPOSURE AND PERSONAL PROTECTION

No exposure standard established for the mixture

Worksafe Australia Exposure Standard [N0HSC:1003(1995)]: for

Isopropanol TWA;400 ppm (983 mg/ m³), STEL 500 ppm (1,230 mg/ m³)

TWA – Time-weighted average airborne concentration over an eight hour working day, for a five day working week over an entire working life.

STEL - short term exposure limit – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day.

Personal Protection:

Eye protection:	Safety glasses, goggles or face shield as required
Hand Protection:	PVC, neoprene or nitrile rubber gloves
Footwear:	Rubber boots

Respiratory Protection: If airborne concentrations are likely to exceed the Exposure Standard, wear approved organic vapour respiratory protection (AS/NZS 1715 and 1716). In high vapour concentrations, wear an air-supplied hood.

Safety showers with eyewash should be provided in all areas where product is handled. No respiratory protection required if engineering, storage and handling controls are adequate,

Engineering Controls: General (mechanical) room ventilation plus special local exhaust ventilation at points where vapour could escape to the work environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque, white liquid

Odor: Faint odour

Boiling Point: 100 °C

Melting Point: 0 °C

Specific Gravity: 1.02

Vapour Pressure: mmHg @ 20C

Viscosity: Approx 200cps

Solubility in Water: Complete

pH Value: Approx 8

Flash Point: Not applicable

10. STABILITY AND REACTIVITY

Stable under normal conditions of use and storage. Ensure containers are kept closed when not in use.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this MSDS and product label. Symptoms or effects that may arise if the product is misused and overexposure occurs are:

Swallowed: Ingestion of large amounts may result in abdominal pain and discomfort

Eye: Moderate irritant.

Skin: Non irritant.

Inhalation: High concentrations of the vapour are unlikely unless the product is fiercely heated. High concentrations may cause depression, dizziness, nausea, and headache. Irritation of mucous membranes and respiratory tract are possible. Aspiration (e.g. during vomiting) into the lungs can cause serious pneumonitis

12. ECOLOGICAL INFORMATION

Keep out of sewers, storm drains, surface waters and soil

13. DISPOSAL

For small spills, sweep up and dispose in approved waste container. Dispose collected and unrecoverable material to an approved site. Contact local authority

14. TRANSPORT INFORMATION

Not classified as dangerous goods.

15. REGULATORY INFORMATION

Not applicable

16. OTHER INFORMATION

Contact: Technical Manager
Telephone (03) 94571125

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END OF MSDS