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**:**	Aquacoat 250 Silk		
Other Names;	WB25 Silk Coating		
Product Code:	Aquacoat 250		
Supplier:	GSB Chemical Co. Pty. Ltd	Telephone:	+61 03 9457 1125
	ACN 004 355113	Facsimile:	+61 03 9459 7978
	84 Camp Road	Internet:	http://www.gsbchem.com.au
	Broadmeadows Vic. 3047	e-mail:	info@gsbchem.com.au

Major Uses and Methods of Application: High viscosity silk emulsion for the printing industry.

2. COMPOSITION

	CAS No.	PROPORTION
Aqueous Wax Dispersion	Mixture	1 – 10%
Polymer Emulsions	Mixture	30 – 60%
Dipropylene Glycol Methyl Ether	34590-94-8	1 – 10%
Long Chain Aryl Surfactant	262640-05-1	1 - < 5%
Ammonia Solution	7664-41-7	<1%
Acrylic Resin Solution	Mixture	10 – < 30%
Long Chain Poly Glycol Compounds	Mixture	1 - < 10%
Isopropanol	67-63-0	<5%

HAZARDS IDENTIFICATION

Risk Phrases: None allocated.

Poisons Schedule: None allocated.

4. FIRST AID MEASURES

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

Swallowed: If swallowed, DO NOT induce vomiting. If conscious give 1 to 2 glasses of water to drink. If irritation develops transport to doctor or hospital.

Eye: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Immediately transport to hospital or doctor.

Inhaled: Move victim to fresh air. Apply resuscitation if victim is not breathing - If trained personnel available administer oxygen if breathing is difficult.

Advice to Doctor: Treat symptomatically.

First Aid Facilities:
Eye wash fountain, safety shower and normal wash room facilities

FLAMMABILITY: This material is not a flammable or combustible liquid.

Fire/Explosion Hazard If safe to do so, move undamaged containers from fire area.

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

Hazards From Combustion Products: Decomposes on heating emitting oxides of carbon, oxides of nitrogen and small quantities of noxious smoke.

Precautions for Fire Fighters
and Special Protective Equipment: Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products decomposition. Full protective clothing is also recommended

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Low hazard product. If product spills onto floors it will represent a slip hazard, walk cautiously. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS.

Methods and Materials for Containment and Clean Up Procedures: Throw absorbent (diatomaceous earth or other inert material) on top of spill, ALLOW TO ABSORB, then shovel up and seal in properly labeled container(s) for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Store away from energetic oxidizing agents and strong acids. For further information please refer to the Engineering Controls of this MSDS.

Conditions for Safe Storage: Keep containers tightly closed, when not using this product. Store in a cool place and out of direct sunlight. Store in original packages as approved by manufacturer.

8. EXPOSURE AND PERSONAL PROTECTION

No exposure standards are available for this product, however, the following exposure standards have been assigned by Worksafe Australia Exposure Standard [N0HSC:1003(1995for components of the product:)]:

Dipropylene Glycol Methyl Ether [TWA] 50 ppm 308 mg/m_3, Sk
Ammonia, Aqueous [TWA] 25 ppm 17 mg/m_3, [STEL] 35 ppm 24 mg/m_3
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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White coloured liquid with a mild ammonia odour.
Boiling Point: Not available.
Vapour Pressure: Negligible.
Specific Gravity: Not available.
Flash Point: Not available.
Flammability Limits: Not available.
Solubility in Water: Miscible.
Other Properties
Evaporation Rate: Negligible.
Viscosity: Viscous

10. STABILITY AND REACTIVITY

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

CHEMICAL STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: High temperatures and mixing with incompatibles.

INCOMPATIBLE MATERIALS: Energetic oxidizing agents and strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS:
Decomposes on heating emitting oxides of carbon, oxides of nitrogen and small quantities of noxious smoke.

HAZARDOUS REACTIONS: Will not occur.

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:

Swallowed: Swallowing large quantities may cause irritation to mouth, throat and stomach with effects including pains in the stomach, which may lead to nausea and possible diarrhoea.

Eye: May cause mild irritation to the eyes.

Skin: May cause mild irritation to the skin.

Inhaled: Mists from the product may cause irritation.

Chronic: Prolonged or repeated skin contact may lead led to drying/defatting of the skin and potential dermatitis in some susceptible individuals.

Dipropylene Glycol Methyl Ether:
There have been numerous studies conducted with dipropylene glycol monomethyl ether and there is no evidence to suggest carcinogenicity, mutagenicity and/or toxic effects to reproduction (fertility or development). There is also no indication that dipropylene glycol monomethyl ether will cause eye, skin irritation or sensitization

12. ECOLOGICAL INFORMATION

Ecotoxity: Negligible ecotoxicity.

Mobility: Readily absorbed in the soil.

Persistence / Degradability: Biodegradable.

There is no other ecological information available for this product, however, large quantities should not be discharged into drains, sewers or waterways

13.DISPOSAL

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Contact local authority

14. TRANSPORT INFORMATION

Road Transport (ADR/RID), Air Transport (ICAO/IATA), Sea Transport (IMDG)

UN Number: None allocated
Dangerous Goods Class: None allocated
Proper Shipping Name: NONE ALLOCATED
Packing Group: None allocated.

15. REGULATORY INFORMATION

Risk Phrases: None allocated.

Safety Phrases: S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Poison Schedule: None allocated

16. OTHER INFORMATION

Contact: Technical Manager
Telephone (03) 94571125

END OF MSDS