

MATERIAL SAFETY DATA SHEET

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

1. IDENTIFICATION OF THE MATERIAL

Product Name: ALPHA COMPLETE UV Fount
Other Names: Fountain solution
Supplier: GSB Chemical Co. Pty. Ltd Telephone: +61 03 9457 1125
ACN 004 355113 Facsimile: +61 03 9459 7978
84 Camp Road Internet: www.gsbchem.com.au
Broadmeadows, Vic. 3047 e-mail: info@gsbchem.com.au

Major Uses and Methods of Application:

Fountain solution for lithographic printing. Diluted with water 1:9. Applied via printing machinery.

2. COMPOSITION

	CAS No.	PROPORTION
N-Propyl Alcohol	71-23-8	70 % w/w
Water and other additives not hazardous		30 % w/w

3. HAZARDS IDENTIFICATION

Risk Phrases: R10 Flammable.
R41 Risk of serious damage to eyes.
R67 Vapours may cause drowsiness and dizziness.

Safety Phrases: S16 Keep away from sources of ignition – No smoking.
S2 Keep out of reach of children.
S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.
S7 Keep container tightly closed.

Hazard Classification: 3 Flammable liquid

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. Immediately wash out mouth with water, and then give water to drink. Seek medical attention.

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

Skin: Flush skin with flowing water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation persists, seek medical attention Decontaminate clothing before re-use or discard

Inhalation: Remove source of contamination or move person to fresh air. Give artificial respiration if breathing has stopped. Seek medical attention

Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability: Flammable. May evolve toxic gases (hydrocarbons, carbon dioxides) when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches, heaters, naked lights, pilot lights etc. when handling. Earth containers when dispensing fluids.

Fire & Explosion: Flammable – explosive vapour. Evacuate area and contact emergency services. Toxic gases may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment including SCBA when combating fire. Use water fog to cool intact containers and nearby storage areas.

Extinguishing: Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways. Absorb runoff with sand or similar.

Hazchem Code: 2[Y]

6. ACCIDENTAL RELEASE MEASURES

If spilt (bulk), contact emergency services if appropriate. Wear splash proof goggles, neoprene/nitrile gloves, a Type A (organic vapour) respirator (where inhalation risk exists), coveralls, an apron and boots. Ventilate and clear area of all unprotected personnel. Absorb spill with sand or similar and place in clean, sealed containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and breathing in vapour

Storage: Store in closed containers away from direct sunlight.

8. EXPOSURE AND PERSONAL PROTECTION

Exposure Standards: Propyl Alcohol TWA: 200ppm, 492mg/m³

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: Overexposure by this route is not possible unless the product is present as a spray or mist in which case remove the victim to fresh air. Monitor response and seek Medical attention
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: Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid.
Boiling Point:	97 –100 Deg.C.
Vapour Pressure:	Not Available
Specific Gravity:	0.861
Flash Point:	24 Deg. C
Solubility in water:	soluble
Volatiles:	99%
pH:	10% solution 4.6 – 5.0

10. STABILITY AND REACTIVITY

Stable under ordinary conditions of use and storage.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	Propyl Alcohol
	Oral Rat LD50: 1870 mg/kg;
	Skin Rabbit LD50: 4060 mg/kg;
	Inhalation mouse LC50: 48 mg/m ³ ;

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:	Irritant to mouth, throat and digestive tract.
Eye:	Moderate irritant
Skin:	Moderate irritant
Inhalation:	May irritate mucous membrane of airways

12. ECOLOGICAL INFORMATION

Environmental Fate: n-prpoyl alcohol

When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into water, this material is expected to readily biodegrade. When released to water, this material is expected to quickly evaporate. This material is not expected to significantly bioaccumulate. This material has a log octanol-water partition coefficient of less than 3.0. When released into the water, this material is expected to have a half-life between 1 and 10 days. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to be readily removed from the atmosphere by wet deposition.

Environmental Toxicity: n-propyl alcohol

The LC50/96-hour values for fish are between 1 and 10 mg/l. This material is expected to be toxic to aquatic life

13. DISPOSAL

Keep out of sewers, storm drains, surface waters and soil. Do not empty into drains; dispose of this material and container in a safe way

For small spills or drips, wipe up and dispose in approved waste container. Dispose absorbed and unrecoverable material to an approved site.

14. TRANSPORT INFORMATION

U.N. Number: 1274
DG Class: 3
Hazchem Code: 2[Y]
P.G. III

15. REGULATORY INFORMATION

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16. OTHER INFORMATION

Contact: Technical Manager
Telephone (03) 94571125

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