MATERIAL SAFETY DATA SHEET

This product is classified as a Hazardous Substance according to criteria of NOHSC Australia
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by Rail and Air

1. IDENTIFICATION OF THE MATERIAL

Product Name**:**	Complete Fount 10		
Other Names;	Aqueous, electrolyte solution, 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: Water treatment additive for lithographic printing. Diluted with water 1:10. Applied via printing machinery.

2. COMPOSITION

	CAS No.	PROPORTION
Propan-1-ol	71-23-8	80 % w/w
Additives		20% w/w

3. HAZARDS IDENTIFICATION

Risk Phrases:

Flammable.
Risk of serious damage to eyes
Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

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

Swallowed	Rinse mouth with water. Give water to drink provided person is conscious. Do NOT induce vomiting. Seek medical attention.
Eye	Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an opthalmologist.
Skin	Wash skin with plenty of water.
Inhaled	Move person to fresh air. If not breathing, give aritificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a doctor or transport to a medical facility.
Advice to Doctor	Treat according symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Fire fighters should wear full protective equipment including self-contained breathing apparatus. For large fires, use water, foam. For small fires use, carbon dioxide fire extinguishers. Dry chemical fire extinguishers. use water spray to disperse vapours to cool surface or to protect personnel attempting to minimize damage and spills. Electrically ground all equipment. Static ignition hazard can result from handling and use. Keep possible ignition sources away from vapours. This material may produce a floating fire hazard. Cobustion products include, carbon monoxide, carbon dioxide.

Hazards from Combustion Products: Highly flammable liquid. May form flammable vapour mixtures with air. Avoid all ignition sources. Vapour may travel a considerable distance to source of ignition and flash back. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed.

Special Protective Precautions and Equipment for Fire Fighters: No data available.

Flammability Conditions: Highly flammable liquid.

6. ACCIDENTAL RELEASE MEASURES

Evacuate unprotected personnel upwind of spill. Wear adequate personal protective equipment.Vapours are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition and/or flashback may occur. Contain the liquid to prevent contamination of soil, surface water or ground water. Flushing and wash waters must be contained and prevented from entering into soil, waterways and ground water.

Methods and Materials for Containment and Clean Up: For smaller spills, and if the contaminated water can be properly labelled containers. Eliminate all sources of ignition in vivinity of spill or released vapour to avoid fire or explosion.

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

Not established for the mixture

Exposure standard for Propan-1-ol assigned by NOHSC
TWA: 200 ppm (492 mg/ m^3) STEL: 250ppm (614 mg/ m^3), Sk

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.

“Sk “ Notice – absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such exposure occurs

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:	Atmospheric levels should be maintained below the exopsure standard. When respiratory protection is required for certain operations, use an approved air-purifying respirator. 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:	Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations. Local exhaust ventilation may be necessary for some operations

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear bue liquid , characteristic odour.
Boiling Range:	97.2 °C
Specific Gravity:	0.804
Vapour Pressure:	14.5 mm Hg @20°C
Vapour Density:	2.1 (Air=1)
Flash Point:	39°C open cup
Explosive Limits %:	LEL 14.0 – UEL 2.2
Solubility in water:	soluble
Volatiles:	70%
pH:	Not Available

10. STABILITY AND REACTIVITY

Stable under ordinary conditions of use and storage.

11. TOXICOLOGICAL INFORMATION

Propan-1-ol LD 50 oral rat = 1870-6500 mg/kg
Dermal LD 50 (rabbit) = 4000 - 10000 mg/kg
Inhalation LC50 rats is >39.1 mg/L.

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:

Health Effects - Acute

Swallowed:	Low toxicity if swallowed. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury
Eye:	May cause severe eye irritation and may result in permanent impairment of vision, even blindness. Vapours may cause eye irritation experienced as mild discomfort and redness
Skin:	Prolonged exposure is not likely to cause significant skin irritation. Repeated contact may cause more severe response on covered skin (under clothing, gloves). Prolonged skin contact is unlikely to result in absorption of harmful amounts
Inhalation:	Excessive exposure may cause respiratory irritation and central nervous system depression. Signs and symptoms of central nervous system depression. Signs and symptoms of central nervous system depression are, in order of increasing exposure. Headache, dizziness, drowsiness and incoordination

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and Degardability	No data available.
Mobility	No data available.
Environmental Fate (Exposure)	No data available.
Bioaccumulative Potential	No data available

13.DISPOSAL

Do not allow into any sewers, drains, on the ground or into any body of water. Any disposal must be in accordance with applicable, State , Territory and/ or local government regulations. The preferred waste management option for unused, uncontaminated, unformulated, or not otherwise alerted material, is to send to an approved recycler, reclaimer,or incinerator. The same waste management options are recommended for used or contaminated material, although additional evaulation is required.

Special Precautions
for Land Fill or Incineration: No data available.

14. TRANSPORT INFORMATION

U.N. Number:	1274	Hazchem Code: 2YE
D. G Class:	3	Packaging Group: lll

15. REGULATORY INFORMATION

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

Safety Phrase:
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.

Poisons Schedule: S6

Hazard Category: Flammable, Xi Irritant

16. OTHER INFORMATION

Contact: Technical Manager
Telephone (03) 94571125

END OF MSDS