

# MATERIAL SAFETY DATA SHEET

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

## 1. IDENTIFICATION OF THE MATERIAL

Product Name:	1097 Cleaner	Telephone:	+61 03 9457 1125
Other Names;	Water Based UV Ink Cleaner	Facsimile:	+61 03 9459 7978
Product Code:	E1097	Internet:	www.gsbchem.com.au
Supplier:	GSB Chemical Co. Pty. Ltd	e-mail:	info@gsbchem.com.au
	ACN 004 355113		
	84 Camp Road		
	Broadmeadows Vic. 3047		

Major Uses and Methods of Application: For cleaning Water-based and Water-based UV inks. Can be diluted with water.

## 2. COMPOSITION

	CAS No.	PROPORTION
Ethylene glycol monobutyl ether	111-76-2	10-30 % w/w
Dipropylene glycol alkyl ether		10-30 % w/w
Deodorisers		1 -10 % w/w
Water		30-60 % w/w

## 3. HAZARDS IDENTIFICATION

Risk Phrases: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed  
R 36 /38 Irritating to eyes and skin

Safety Phrase: S2 keep out of reach of children  
S36/37 wear suitable protective clothing and gloves  
S46 If swallowed, seek medical advice immediately and show this container or label

Poisons Schedule: S6

## 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. Give a glass of water and seek medical advice.

Eye: Flush with flowing water for at least 20 minutes, and if symptoms persist, seek medical attention.

Skin: Flush skin with flowing water, use soap if available. Remove contaminated clothing and shoes. If irritation persists, seek medical attention Decontaminate clothing before re-use or discard

Inhalation: If symptoms of overexposure are evident remove to fresh air. If symptoms persist contact a doctor.

Advice to Doctor: Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

Fire Fighting advice: Decomposition products are toxic. Products of combustion include carbon monoxide and carbon dioxide. Heat may cause containers to rupture violently. Wear overalls, goggles and gloves as a minimum protection

Suitable Extinguishing Media: Use dry chemical, foam, CO<sub>2</sub> or water spray (fog)..

#### 6. ACCIDENTAL RELEASE MEASURES

Spills: Spilled liquid may make floors and surfaces slippery  
Shut off all sources of ignition, contain spill and recover spilled liquid for safe disposal. Remainder can be soaked into an inert absorbent ( vermiculite, sand, etc.) and residual washed off.  
Dispose absorbed and unrecoverable material to an approved site.  
Consult local authority.

#### 7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and breathing in vapour

Storage: Classified as C1 (combustible liquid, AS 1940). Transport in accordance with the appropriate dangerous goods regulations. Do not store near strong oxidising agents

#### 8. EXPOSURE AND PERSONAL PROTECTION

Exposure standard for Ethylene glycol monobutyl ether assigned by NOHSC  
TWA: 20 ppm (96.9 mg/ m<sup>3</sup>), Sk  
STEL: 50ppm (242 mg/ m<sup>3</sup>)

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 faceshield as required

Hand Protection: PVC, neoprene or nitrile rubber gloves

Footware: 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. All ventilation equipment must be fitted with flame and explosion proof electrical fittings

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear brown liquid. Characteristic odour  
Boiling Range: 100 - 187°C  
Vapour Pressure: 0.4 mm Hg @25°C  
Rel. Vapour Density: 5.0  
Specific Gravity: 0.97 @20°C  
Flash Point: 75°C  
Explosive Limits: UEL 14%, LEL 1.1% @ 150°C  
Solubility in water: soluble  
Volatiles by volume: > 95%

## 10. STABILITY AND REACTIVITY

Product is stable. Will not polymerise

## 11. TOXICOLOGICAL INFORMATION

Toxicological Information: Ethylene Glycol monobutyl ether =Oral Toxicity LD50: 560 mg/kg (rat), 1200 mg/kg (mouse), 320 mg/kg (rabbit)  
Dermal LD50 1800 mg/kg (rabbit)  
Inhalation LC50- 2400 mg/ litre / 4h (rat), 3360 mg/ litre / 4h (mouse),  
Ethylene Glycol monobutyl ether may be harmful by skin absorption

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: Harmful. Irritant to mouth, throat and digestive tract. Large dose may cause drowsiness and lead to unconsciousness. If aspirated into lungs can cause serious lung inflammation and may be fatal.

Eye: Moderate irritant.

Skin: May lead to dermatitis upon prolonged and repeated contact may be absorbed through the skin with toxic effects.

Inhalation: 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(even fatal) pneumonitis

## 12. ECOLOGICAL INFORMATION

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

## 13.DISPOSAL

Dispose of by incineration in accordance with all Local, State and Federal regulations at an approved waste disposal facility

## 14. TRANSPORT INFORMATION

U.N. Number :	None allocated	Hazchem Code:	None allocated
D.G. Class:	None allocated	Packaging Group:	None allocated
Poisons Schedule:	S6		

### 15. REGULATORY INFORMATION

Risk Phrase: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed  
R 36 /38 Irritating to eyes and skin

Safety Phrase: S2 keep out of reach of children  
S36/37 wear suitable protective clothing and gloves  
S46 If swallowed, seek medical advice immediately and show this container or label

Hazard Category: Xn Hazardous, Xi Irritant , C1 combustible

### 16. OTHER INFORMATION

Contact: Technical Manager  
Telephone (03) 94571125

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END OF MSDS