

# 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: Fast Blockout  
Other Names; Blockout  
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: Screen printing blackout. Brush or swab on, wash off.

## 2. COMPOSITION

	CAS No.	PROPORTION
Dichloromethane	75-09-2	> 60 % w/w
Ethanol	64-17-5	10 - < 30% w/w
Dyes and thickeners		< 10 % w/w

## 3. HAZARDS IDENTIFICATION

Risk Phrases: Limited evidence of a carcinogenic effect  
Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed

Poisons Schedule: S5

## 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 glass of water and contact doctor

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

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

Advice to Doctor: Treat symptomatically; gastric lavage should only be undertaken after endotracheal intubation.

## 5. FIRE FIGHTING MEASURES

- Specific Hazards: Non combustible material
- Fire fighting advice: Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. Products of combustion include hydrogen chloride and phosgene gas, carbon monoxide and carbon dioxide, hydrocarbon fumes and soot. Use water spray to cool adjacent containers or structures. Wear self-contained breathing apparatus and protective clothing.
- 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. Contain spill and recover spilled liquid for safe disposal. Remainder can be soaked into an inert absorbent (vermiculite, sand, etc.) and residual washed off.

## 7. HANDLING AND STORAGE

- Handling: Avoid skin and eye contact and breathing in vapour
- Storage: Dangerous goods class 6, Store and Transport in accordance with the appropriate dangerous goods regulations. Do not store near strong oxidising agents.

## 8. EXPOSURE AND PERSONAL PROTECTION

Not established, for the mixture.  
Worksafe Australia Exposure Standard [N0HSC:1003(1995)]: for Individual components:  
Dicholromethane -TWA 50ppm (174 mg/ m<sup>3</sup>), Carc. Cat.3,Sk  
Methanol - - TWA 200ppm (262mg/ m<sup>3</sup>), STEL 250ppm (328 mg/ m<sup>3</sup>), Sk

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

“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: If risk of inhalation exists, wear organic vapour respirator meeting AS / NZS 1715 / 1716

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: Blue / Green viscous liquid. Ethereal odour
- Boiling Range: 35 - 80°C (760 mmHg)
- Specific Gravity: 1.14@20°C
- Flash Point ASTM D 93: Non Flammable
- Vapour Pressure: 190 torr (15 deg C)
- Rel. Vapour Density: 2.7
- Solubility in water: emulsifiable
- Volatiles by volume: >90%

## 10. STABILITY AND REACTIVITY

Stable under ordinary conditions of use and storage.  
Products of combustion include hydrogen chloride and phosgene gas, carbon monoxide and carbon dioxide, hydrocarbon fumes and soot.

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Based on product data for Dichloromethane  
This product is classified as Category 3 carcinogen according to NOHSC. There is a cause for concern for humans owing to possible carcinogenic effects however available information is not adequate for making a satisfactory assessment.

**Swallowed:** Harmful. LD50 (rat) 2500mg/kg. 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:** Severe irritant. Corneal damage possible with prolonged contact.

**Skin:** Irritant. May cause dermatitis, liquid & vapour may be absorbed through the skin with subsequent 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. TLV - 250 mg/cu.m

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL

For small spills or drips, wipe up and dispose in approved waste container. For large spills, contain and pump into waste containers for disposal by an approved method 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.

## 14. TRANSPORT INFORMATION

U.N. Number:	2810	Hazchem Code:	2Y
D. G Class:	6 - Toxic	Packaging Group:	III
EPG:		Poisons Schedule:	S5

## 15. REGULATORY INFORMATION

**Risk Phrase:** R40 Limited evidence of a carcinogenic effect  
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed

**Safety Phrase:** S23 Do not breathe vapour  
S24/25 Avoid contact with skin/eyes  
S7 Keep container tightly closed  
S16 Keep away from sources of ignition  
S45 In case of accident or if you feel unwell, seek medical advice

**Poison Schedule:** 6

**Hazard Category:** T - Toxic

## 16. OTHER INFORMATION

Contact: Technical Manager  
Telephone (03) 94571125

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The information and recommendations in this publication are to the best of our knowledge accurate at the time of publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or process. Nothing herein is to be construed as warranty, expressed or implied. In all cases, it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular use.

**END OF MSDS**