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## MATERIAL SAFETY DATA SHEET

DATE OF ISSUE 25/02/2008

### SECTION 1 – IDENTIFICATION

**Product Name** GRAFFITI REMOVER 104

**Recommended Use** Graffiti Remover  
**Supplier** JAEGAR AUSTRALIA PTY LTD  
**ACN** 96005 286 224  
**Street Address** F 2/9 Tower Crt  
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Australia  
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**Emergency Telephone Number** 1 800 334 556

### SECTION 2 – HAZARDS IDENTIFICATION

**Risk Phrases:** Irritating to eyes

**Poisons Schedule** None allocated

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS Number	Proportion (%m/m)
2-(2-butoxyethoxy) ethanol	112-34-5	M
Non-ionic surfactant	9016-45-9	L

H>60 M= 10-60% L=<10

### SECTION 4 – FIRST AID MEASURES

**Inhalation:** Remove victim from area of exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

**Eye Contact:** 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.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

**Advice to Doctor:** Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

**Specific Hazards:** Combustible liquid

**Fire-fighting advice:** On burning will emit toxic fumes, including those of oxides of carbon. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Suitable Extinguishing Media:** Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

Shut off all possible sources of ignition. Slippery when split. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapors. Work up wind or increase ventilation. Contain, prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

## SECTION 7 – HANDLING AND STORAGE

**Handling advice:** Avoid skin and eye contact and breathing in vapour.

**Storage advice:** Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use – check regularly for leaks.

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission.

### Engineering Control Measures:

Use in well ventilated areas. Vapour heavier than air- prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapour respirator. Keep containers closed when not in use.

### Personal Protective Equipment:

Jaegar Personal Protection Guide No. 1, 1998: C – OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

Wear overalls, chemical goggles and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. If risk of inhalation exists, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Colourless
Odour	Faint
Molecular Formula	C <sub>8</sub> H <sub>18</sub> O <sub>3</sub>
Solubility	Miscible with water
Specific Gravity	0.9536@20°C
Relative Vapour Density (air=1)	5.56
Vapour Pressure (20°C)	0.003 kPa
Flash Point (°C):	78 (Closed Cup)
Flammability Limits (%)	0.85-24.6
Autoignition Temperature (°C)	204
Boiling Point/Range (°C)	231
Viscosity	6.49 mPa.s@20°C
Freezing Point/Range (°C)	-68

## SECTION 10 – STABILITY AND REACTIVITY

**Stability** Incompatible with strong oxidising agents

## SECTION 11 – TOXOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs.

**Eye contact:** An eye irritant.

**Skin contact:** Contact with skin may result in irritation.

**Inhalation:** Where this material is used at elevated temperatures, vapour may cause irritation to mucous membranes of the respiratory tract, headache and nausea.

### Long Term Effects:

Available evidence from animal studies indicates that repeated or prolonged exposure to this material could result in effects on the blood.

Toxicological Data:

Oral LD50 (rat) 5660 mg/kg  
Oral LD50 (rabbit) 2200 mg/kg  
EYES: Irritant (rabbit)

## SECTION 12 – ECOTOXICOLOGICAL INFORMATION

Avoid contaminating waterways.

## SECTION 13 – DISPOSAL CONSIDERATIONS

Refer to Waster Management Authority. Normally suitable for disposal at approved land waste site.

## SECTION 14 – TRANSPORT INFORMATION

### Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## SECTION 15 – REGULATORY INFORMATION

**Classification:** This material is hazardous according to criteria of NOHSC.  
Xi: Irritant

**Risk Phrase:** R36: Irritating to eyes.

**Safety Phrase:** S25: Avoid contact with eyes.  
S26 in case of contact with eyes, rinse immediately with plenty of water and seek Medical advice.  
S36/39: Wear suitable protective clothing and eye/face protection.

**Poisons Schedule:** None allocated.