TASMAN CHEMICALS "Tasman trusted products"

MATERIAL SAFETY DATA SHEET

G.R. 2

SECTION 1 – IDENTIFICATION

Product Name **G.R. 2**

Recommended Use **Graffiti Remover**

Supplier TASMAN CHEMICALS PTY LTD
ACN : 005 072 659
Street Address 1-7 Bell Grove, Braeside , Victoria 3195 AUSTRALIA
Telephone Number (03) 9587 6777
Facsimilie (03) 9587 5255
Email taschem@taschem.com.au
Website www.tasmanchemicals.com.au

Emergency Telephone Number **1 800 334 556**

SECTION 2 – HAZARDS IDENTIFICATION

Hazardous according to criteria of Safe Work Australia.

Hazard Category : Xn (Harmful), F (Flammable)

Risk Phrases

R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R37/38	Irritating to respiratory system and skin
R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness and cracking
R67	Vapours may cause drowsiness and dizziness

Safety Phrases

S16	Keep away from sources of ignition - No smoking.
S20	When using, do not eat or drink.
S23	Do not breathe gas/fumes/vapour/spray
S24	Avoid contact with skin
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S38	In case of insufficient ventilation, wear suitable respiratory equipment
S61	Avoid release to the environment.

G.R. 2 is classified as a **Dangerous Good Class 3** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Proportion (%m/m)
Xylene	1330-20-7	H
Ethanol	64-17-5	M
Non Ionic Surfactant	9016-45-9	L
Potassium Hydroxide	1310-58-3	L

VH>60% H>30-60% M=10-30% L=<10%

SECTION 4 – FIRST AID MEASURES

First Aid

Swallowed:	If swallowed DO NOT induce vomiting. Wash out mouth with water. Where vomiting occurs naturally have head below hip level in order to reduce risk of aspiration Seek immediate medical assistance or contact the Poisons Information Centre immediately.
Eye:	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised by the Poisons Information Centre or a doctor, or for at least 15 minutes
Skin:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with soap and water. If symptoms develop seek medical attention
Inhaled	Remove victim from source of contamination or move victim to fresh air. Allow patient to assume most comfortable position. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Seek medical attention if effects persist.

Advice to Doctor Treat symptomatically or consult a Poisons Information Centre

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard
FLAMMABLE. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition. Prevent build-up of flammable vapours. Hoses should be electrically continuous and containers bonded to avoid static charge build-up. Keep the container tightly closed

Extinguishing Media
Dry chemical, foam or carbon dioxide. Water spray may be used to keep fire expose containers cool

Special Fire Fighting Procedures
In the event of a fire, water full protective clothing and NIOSH approved self-contained breathing apparatus with full face operated in the pressure demand or other positive pressure mode

SECTION 6 – ACCIDENTALRELEASE MEASURES

Spills
Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (eg vermiculite, dry sand, or earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Place used absorbent in suitable sealed containers, follow state or local authority regulations and guidelines for the disposal of the waste. Clean area with detergent and water – do not allow product to enter drains sewers or watercourses – inform the local authorities if this occurs.

SECTION 7 – HANDLING AND STORAGE

Handling : Open containers cautiously as containers may be under pressure. Use only in a well ventilated area. Avoid skin, eye contact and breathing vapour

Storage : Store in a well-ventilated place away from ignition sources, foodstuffs and clothing. Keep containers closed when not in use. Take precautions against static electricity discharges.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits :

EXPOSURE LIMITS:	Name	TWA		STEL	
		ppm	mg/m^3	ppm	mg/m^3
	Xylene	80	350	150	655
	Ethanol	1000	1880	N/A	N/A
	Potassium Hydroxide	N/A	2 (Peak)	N/A	N/A

Exposure Standards (TWA) is the time-Weighted average airborne concentration over an eight-hour working day, for a five day working week over an entire working life. According to current knowledge this concentration should neither impair the health or, cause undue discomfort to, nearly all workers.

STEL (Short Term Exposure Limit): the average airborne concentration over a 15 minute period that should not be exceeded at any time during a normal eight-hour work day.
NOTICE : Absorption through the skin may be a significant source of exposure

Peak Limitation : For some rapidly acting substances and irritants, the averaging of airborne concentration over an eight hour period is inappropriate. These substances may induce acute effects after relatively brief exposure to high concentrations and so the exposure standard for these substances represents a maximum or peak concentration to which workers may be exposed

Engineering Control Measures : Provide sufficient ventilation to keep airborne levels below exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate a flameproof ventilation system is required

Personal Protective Equipment :

Eye:	Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.
Hands:	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Other:	Overalls and protective footwear.
Respirator:	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. An organic vapour respirator (AS 1715/1716) is the recommended respirator recommended for this product

Always wash hands before eating, drinking, smoking or using the toilet.
Wash contaminated clothing and other protective equipment before storage and reuse.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odour:	Clear Amber Liquid	Solubility:	Immiscible in water
Melting Point:	Not Applicable	Flash Point:	29°C
Boiling Point:	140°C (approximately)	Vapour Pressure	8 mm Hg @ 20°C
Specific Gravity:@ 25°C	0.86 – 0.88	Flammable Limits:	LEL 1.0; UEL 7.0

SECTION 10 – STABILITY AND REACTIVITY

Stability	Incompatible with Strong oxidizing agents and strong acids
Reactivity	Flammable. Avoid heat and sources of ignition. Prevent build-up of flammable vapours.

SECTION 11 – TOXOLOGICAL INFORMATION

Health Effects
No adverse health effects expected if the material is handled in accordance with the Material Safety Data Sheet. Symptoms that may arise if the material is mishandled are :

Acute Effects

Swallowing:	Ingestion causes burning sensation in mouth and stomach, nausea, vomiting and salivation. Minute amounts aspirated into the lungs can produce a severe hemorrhagic pneumonitis with severe pulmonary injury or death. Oral LD50 (Xylene) = 4300 mg/kg (Rabbit)
Eye:	Vapors cause eye irritation. Splashes cause severe irritation, possible corneal burns and eye damage.
Skin:	Skin contact results in loss of natural oils and often results in a characteristic dermatitis. May be absorbed through the skin. Dermal LD50 (Xylene) = 500 mg/kg (Rabbit)

Inhaled:	Inhalation of vapours may be irritating to the nose and throat. Inhalation of high concentrations may result in nausea, vomiting, headache, ringing in the ears, and severe breathing difficulties which may be delayed in onset. Substernal pain, cough, and hoarseness are also reported. High vapour concentrations are anaesthetic and central nervous system depressants. LC50 (Rabbit) = > 20mg/L / 4 hour

Chronic Effects

Chronic inhalation can cause headache, loss of appetite, nervousness and pale skin. Repeated or prolonged skin contact may cause a skin rash. Repeated exposure of the eyes to high concentrations of vapor may cause reversible eye damage. Repeated exposure can damage bone marrow, causing low blood cell count. May damage the liver and kidneys.

SECTION 12 – ECOLOGICAL INFORMATION

Do NOT contaminate waterways. Toxic to aquatic organisms, may cause long term effects to the aquatic environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, EPA and state regulations. If possible contain spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute BUT contain. If large quantities of this material enters the waterways contact the Environmental Protection Authority or you local Waste Management Authority

SECTION 14 – TRANSPORT INFORMATION

Classified as a Dangerous Good by the Criteria of the Australian Dangerous Good Code

Proper Shipping Name :	FLAMMABLE LIQUID, CORROSIVE N.O.S.		
UN Number :	2924	Dangerous Goods Class :	3
Hazchem Code :	3YE	Packing Group :	III
Subsidiary Risk :	8		

SECTION 15 – REGULATORY INFORMATION

Classification	Based upon information, classified as hazardous according to criteria of Safe Work Australia
Poisons Schedule	Schedule 6

SECTION 16 – OTHER INFORMATION

Contact Points

Organisation	**Location**	**Telephone**	**Ask For**
Tasman Chemicals Pty Ltd	Braeside, Victoria, Australia	(03) 9587 6777	Technical Manager
Poisons Information Centre		13 1126	

MSDS are updated frequently. Please ensure that you have a current copy.

This MSDS summarises our best knowledge of the health and safety hazard information of the product; how to safely handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Tasman Chemicals Pty Ltd. Our responsibility for products sold are subject to our standard terms and conditions, a copy of which appears on all invoices. It is also available on request. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used including good industrial hygiene.