



Lic. No. 158

# MOMAR

AUSTRALIA PTY LTD

A.C.N. 003 149 111

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## Material Safety Data Sheet

QUICK IDENTIFIER (In Plant Common Name)

**VMR** (Vandal Mark Remover)

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U.N. Number: 2810

Class: 3 Flammable Liquid

Hazchem: 2Z

Packaging Group: 111

EPG: 3A1

Poisons No.: S6

## HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

### SECTION 1 - IDENTITY

**Common Name:** (used on label) **VMR (Vandal Mark Remover)**

**Chemical Name:** Not applicable      **Chemical Family:** Solvent / surfactant blend

**Formula:** Solvent mixture - vandal mark remover

### SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)	CAS No.	% by Weight	Threshold Limit Value (units)
1. Xylene	1330-20-7	50%	(ACGIH-TWA) 435mg/m <sup>3</sup>
(LD <sub>50</sub> oral rats = 4300 mg/kg, LD <sub>50</sub> dermal rats = 500mg/kgH MOD, LC <sub>50</sub> inhalation rats = 6350ppm/4m)			
2. Isopropyl Alcohol	78-83-1	20	(ACGIH-TWA) 980mg/m <sup>3</sup>
(LD <sub>50</sub> oral rats = 4000mg/kg, LD <sub>50</sub> dermal rats = 16400mg/kg, LC <sub>50</sub> inhalation rats = 1600ppm)			
3. Methyl ethyl ketone	79-93-2	>5	(ACGIH-TWA) 590mg/m <sup>3</sup>
(LD <sub>50</sub> oral rats = 3400mg/kg, LD <sub>50</sub> dermal rats = 402mg/24H MLD, LC <sub>50</sub> inhalation rats = 2000ppm/4H)			
4. Perchloroethylene	127-18-4	>5	(ACGIH-TWA) 335mg/m <sup>3</sup>
(LD <sub>50</sub> oral rats = 4000mg/kg, LD <sub>50</sub> dermal rats = 500mg/24 SEV, LC <sub>50</sub> inhalation rats = 4000ppm/4H)			

### SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

**Boiling Point:** 100-300°F (C) **Specific Gravity: (H<sub>2</sub>O=1)** 0.890 **Vapor Pressure: (mm Hg)** 70 psig

**Solubility**

**Reactivity**

**in Water:** Negligible

**in Water:** None

**Appearance and Odour:** Clear colourless liquid - sweet ethereal odour

**Flash Point (T.C.C.) In Air by Volume:** 650°      **Flammable Limits Lower Upper:** 4.5      10.5      **Extinguisher:** Water spray, CO<sub>2</sub>,      **Auto Ignition Temp.:** 600°F

**Special Fire Fighting Procedures:** Water spray may be ineffective. Use water spray to keep fire exposed container cool and to flush spills away from exposures. Fire fighters wear self contained breathing apparatus with full face piece in pressure demand or other positive pressure mode.

**Unusual Fire and Explosion Hazards:** Aerosol container pressurised with flammable propellant. Do not expose containers to temperatures above 130°F or containers may explode.

**SECTION 4 - PHYSICAL HAZARDS**

Stability	Unstable <input type="checkbox"/>	Conditions	
	Stable <input checked="" type="checkbox"/>	to Avoid	Heat, spark, open flame, welding areas.
Incompatibility (Materials to avoid)	Aluminium, possibly sodium, magnesium and potassium, caustics, amines, ammonia, halogens, acids, strong oxidants.		
Hazardous Decomposition Products	Thermal degradation can result in emulsion of CO, CO <sub>2</sub> , HCL and small amounts of phosgene and chloring.		
Hazardous Polymerization:	Conditions Will Not Occur to Avoid NONE		

**SECTION 5 - HEALTH HAZARDS**

Threshold Limit Value	460mg/m <sup>3</sup> (estimated)		
<b>Signs &amp; Symptoms of Exposure</b>			
1. <b>Acute Oversposure:</b> Causes eye irritation. Ingestion may cause nausea, vomiting and diarrhea. Excessive inhalation may casue dizziness, headache, anesthetic effect.			
2. <b>Chronic Overexposure:</b> Respiratory irritation with resultant kidney and liver damage, nausea, possible unconsciousness and even death under severe exposure. Prolonged or repeated frequent contact with skin by removing natural oils may cause dermatitis.			
Medical Conditions Generally Aggravated by Exposure:	None known		
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
OSHA Permissible Exposure Limit	ACGIH Threshold Limit Value	not est.	Other Exposure Limit Used 300mg/m <sup>3</sup> (estimated)

**EMERGENCY AND FIRST AID PROCEDURES**

- Inhalation:** Remove from over exposure to fresh air. If breathing is difficult or discomfort occurs, obtain medial attention.
- Eyes:** Flush immediately with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.
- Skin:** Wash with soap and water. If irritation persists get medical attention.
- Ingestion:** Administer 2-4 oz of vegetable or olive oil and 1-2 oz activated charcoal. Do not induce vomiting as gastric aspiration may occur. Get immediate medical attention.

**SECTION 6 - SPECIAL PROTECTION INFORMATION**

<b>Respiratory Protection</b> (Specify Type): NIOSH approved respirator above TLV.					
Ventilation sufficient keep below TLV	Local Exhaust	Adequate	Mechanical (General) Mechanical	Special None	Other None
Protective Gloves	Not required		Eye Protection	goggles as needed	
<b>Other Protective Clothing or Equipment:</b> Not required					

**SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

- Precautions to be taken in Handling and Storage:** Do not pucture or incinerate containers. Do not store at temperatures above 130°F.
- Other Precautions:** None
- Steps to be taken in case material is Released or Spilled:** If spilled absorb on mineral clay absorbent material.
- Waste Disposal Methods:** Aerosol cans, when vented at a atmospheric pressure through normal use, pose no hazard.

