



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: **GRAF OFF**

OTHER NAMES:

MANUFACTURES PRODUCT CODE:

RECOMMENDED USE: Graffiti remover.

SUPPLIER NAME: LAB 6 PTY LTD
ACN 003 252 515

ADDRESS: UNIT 17B 1 ENDEAVOUR RD
CARINGBAH NSW 2229

TELEPHONE NUMBER: (02) 9525 6322

FACSIMILE NUMBER: (02) 9540 2616

EMERGENCY TELEPHONE NUMBER: (02) 9525 6322 (Monday – Friday, 8.00 am – 5.00 pm)

2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION HAZARDOUS SUBSTANCE. NON - DANGEROUS GOOD.
CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF ASCC.
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE.

RISK PHRASES R36/38 Irritating to eyes and skin.
R43 May cause skin sensitization by skin contact.

SAFETY PHRASES S2 Keep out of reach of children.
S24/25 Avoid contact with skin and eyes.
S37/39 Wear suitable gloves and eye/face protection.
S41 In case of fire and/ or explosion, do not breathe fumes.

POISONS SCHEDULE S5 POISON

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:	PROPORTION:	CAS NUMBER:
N-METHYL-2-PYRROLIDONE	30 - 60 %	872-50-4
D-LIMONENE	30 - 60 %	5989-27-5
DIPROPYLENE GLYCOL MONO METHYL ETHER	10 - < 30%	34590-94-8
NON HAZARDOUS INGREDIENTS	< 10 %	

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

SWALLOWED: If swallowed, do NOT induce vomiting.

EYE: 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.

SKIN: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

INHALED: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.



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MEDICAL ATTENTION AND SPECIAL TREATMENT

Treat symptomatically.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Combustible liquid. If material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

HAZARDS FROM COMBUSTION PRODUCTS

Combustible liquid. Decomposes on heating emitting toxic fumes.

SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS

Keep containers cool with water spray. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Prevent run off of fire water to avoid contaminating waterways.

HAZCHEM CODE: NONE ALLOCATED

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

Shut off all possible sources of ignition. Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

SMALL SPILLS: Slippery when spilt. Avoid accidents, clean up immediately. Wipe up with rag or absorbent paper.

LARGE SPILLS: Slippery when split. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain using sand or soil. Prevent run off into drains or waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Keep out of reach of children. Avoid skin and eye contact and breathing in vapour. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

CONDITIONS FOR SAFE STORAGE

This product is a Scheduled Poison (S5) and must be stored, maintained and used in accordance with the relevant regulations. Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use. Check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS:

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

Exposure Standards for constituents:

N-Methyl-2-pyrrolidone	8Hr TWA = 103 mg/m ³ (25 ppm), 15 min STEL = 309 mg/m ³ (75 ppm)
Dipropylene Glycol Mono Methyl Ether	8hr TWA = 308 mg/m ³ (50 ppm),

As published by the National Occupational Health and Safety Commission (NOHSC).



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TWA - The time-weighted average airborne concentration over a normal 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 working day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

BIOLOGICAL LIMIT VALUES

None allocated.

ENGINEERING CONTROLS:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. If inhalation risk exists use with local exhaust ventilation or while wearing organic vapor respirator. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Avoid all contact. Wear overalls, safety glasses and impervious gloves (Nitrile, Neoprene or PVC). Use with adequate ventilation. If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear yellow liquid.
Odour:	Citrus fragrance.
pH:	Not Applicable
Vapour Pressure:	Not Available
Vapour Density:	Not Available
Boiling Point / Range:	Not Available
Solubility in Water:	Dispersible
Specific Gravity:	0.98
Flashpoint:	> 65 C
Flammability Limits:	Not Available
Ignition Temperature:	Not Available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.

INCOMPATIBLE MATERIALS: Incompatible with oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

HAZARDOUS REACTIONS: Reacts with oxidising agents.



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11. TOXICOLOGICAL 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 this product is mishandled and overexposure occurs are:

ACUTE EFFECTS

SWALLOWED: Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain.

EYE: An eye irritant.

SKIN: Contact with skin may result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

INHALED: Material may be irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness, drowsiness, and possible nausea.

CHRONIC HEALTH EFFECTS

No information available for the product.

TOXICITY

No LD50 available for product.

Oral LD50(rat): 4200 mg/kg (N-Methyl-2-pyrrolidone)

Dermal LD50(rat): 8000 mg/kg (N-Methyl-2-pyrrolidone)

Inhalation LC50(rat): >400 mg/lit (N-Methyl-2-pyrrolidone)

Oral LD50 (rat): 4400 mg/kg (Limonene)

Dermal LD50 (rabbit): >5000 mg/kg (Limonene)

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Avoid contaminating waterways.

PERSISTENCE AND DEGRADABILITY: No data available

MOBILITY: No data available

13. DISPOSAL CONSIDERATIONS

DISPOAL METHODS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Product must be contained and not disposed to sewerage systems, drains or waterways.

SPECIAL PRECATIONS FOR LANDFILL OR INCINERATION

Decontamination and destruction of containers should be considered.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

HAZARD CLASSIFICATION

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POISONS SCHEDULE

S5 POISON

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

This Material Safety Data Sheet summarises at the date of issue our best knowledge of the health and safety hazard information of the product in the workplace. Since Lab 6 Pty. Ltd. cannot anticipate or control the conditions under which this product may be used, each user must, prior to usage, review this Material Safety Data Sheet in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Lab 6 Pty. Ltd. will not be responsible for damages of any nature resulting from use of or reliance upon the information. No expressed or implied warranties are given other than those implied mandatorily by Commonwealth, State or Territory legislation.

DATE OF ISSUE: JULY 2008

REASONS FOR ISSUE: General update and revision

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