

# Material Safety Data Sheet

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Infosafe No. ACQ2J Issue Date : August 2002 ISSUED by HKWENTWO

Product Name : **GRAFFITI REMOVER GEL**

Classified as hazardous according to criteria of NOHSC

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**Product Name** GRAFFITI REMOVER GEL  
**Product Code** GRG400  
**Product Use** Graffiti remover  
**Company Name** H K WENTWORTH (ABN 9300 3720 027)  
**Address** Unit 3/98 Old Pittwater Road Brookvale  
NSW 2100 Australia  
**Telephone Number/Fax** Tel: 02-9938 1566 Fax: 02-9938 1467

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Characterization** Liquid

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	1-Methoxy 2-propanol	107-98-2	50-70 %
	Hydrocarbon distillate	64742-47-8	20-40 %
	Butane	106-97-8	10-30 %
	Propane	74-98-6	10-30 %
	N-methyl 2-pyrrolidone	872-50-4	10-20 %
	Ingredients determined not to be hazardous.		Balance

## 3. HAZARDS IDENTIFICATION

Extremely Flammable.  
Irritating to eyes and skin.

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have a qualified person give oxygen through a face mask if breathing is difficult. If irritation develops and persists, seek immediate medical attention.

**Ingestion** DO NOT induce vomiting. Immediately wash mouth out with water and then give water to drink. If symptom develops or persists, seek medical attention.

**Skin** Wash gently and thoroughly with water and non-abrasive soap. Contaminated clothing and footwear should be removed as soon as practical and thoroughly cleaned before reuse. If irritation persists or develops, seek medical attention.

**Eye** If contact with the eye(s) occur, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops and persists, seek immediate medical attention.

**First Aid Facilities** An eye wash fountain, safety shower and a general washing facility should be available immediately adjacent to the work area.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media** Carbon dioxide, dry chemical, foam, or water spray. Use water mist to cool closed containers.  
DO NOT use high volume water jet.

**Specific Methods** Self-contained breathing apparatus (S.C.B.A) and full protective clothing should be worn.

**Specific Hazards** Extremely flammable. Keep away from all sources of ignition, heat and naked flames. Ensure adequate ventilation to prevent formation of an explosive mixture with air and flashback. Remove all sources of re-ignition. Prevent build-up of electrostatic charges (i.e. by grounding). Exposure to fire may cause containers to rupture/explode. Will emit noxious fumes under fire conditions.

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## 6. ACCIDENTAL RELEASE MEASURES

**Other Information** Remove all sources of ignition. Evacuate all unnecessary personnel. Use self-contained breathing apparatus (S.C.B.A) and full protective clothing to minimise exposure. Place inert absorbent such as vermiculite, sand or dirt onto material. Collect the material with non-sparking tools and place into a suitable labelled container. Mop up all residue and contain in same container. If large quantities of this material enters the environment, contact the relevant regulatory authorities.

## 7. HANDLING AND STORAGE

**Handling** Should use proper personal protective clothing and equipment and in well-ventilated area. Do not breath vapours or spray mist. Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material, maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or going to the toilet. Build-up of mist in the working atmosphere must be prevented. Ensure ventilation is adequate. DO NOT enter confined spaces where vapour or mist may have collected. Keep containers closed when not in use. Prevent accumulation of static electricity and earth all equipment.

**Storage** Store in a cool, dry, well ventilated area away from all sources of ignition, sparks, flames and heat. Keep well closed when not in use. Store away from incompatible materials such as strong oxidising agents. For information on the design of the storeroom reference should be made to Australian Standard AS1940, The storage and handling of flammable and combustible liquids.

**Recommended Materials** Store in original container. Do not pierce or burn container even when empty.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	1-Methoxy 2-propanol	553	150	369	100	
	Butane			1900	800	
	Propane					Asphyxiant

**Other Exposure Information** No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC). However, over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions. NOHSC Standards of the constituents are listed above. Propane is an asphyxiant gas, when present in an atmosphere in high concentrations, lead to a reduction of oxygen concentration by displacement or dilution. It is not appropriate to recommend an exposure standard for each simple asphyxiant, rather it should be required that a sufficient oxygen concentration be maintained. The minimum oxygen content in air should be 18 per cent by volume under normal atmospheric pressure. Unconsciousness and death can rapidly ensue in an environment which is deficient in oxygen.

**Respiratory Protection** Avoid breathing of vapour or mist. Where ventilation is inadequate and vapours or mists are generated, the use of a respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended. Filter capacity and respirator type depends on exposure levels.

**Eye Protection** Safety glasses with side-shields or safety goggles.

**Hand Protection** Solvent resistant butyl rubber gloves.

**Footwear** Safety boots with non-slip soles as required.

**Body Protection** Lab coat or light-weight protective clothing.

**Eng. Controls** Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required.

Refer to AS 1940-The storage and handling of flammable and combustible liquids and AS 2430-Explosive gas atmospheres for further information concerning ventilation requirements.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colourless liquid butane with characteristic odour
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	<0°C
<b>Specific Gravity (H2O=1)</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Density</b>	Relative Density: 0.78-0.90
<b>Flash Point</b>	<0°C
<b>Flammability</b>	Extremely flammable. Remove all sources of ignition, heat and naked flames. May emit toxic fumes under fire conditions. Earth all containers to reduce the possibility of sparks from static electricity. Vapours may form flammable mixtures with air.
<b>Ignition Temperature</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions of storage and handling
<b>Materials to Avoid</b>	Strong oxidising agents
<b>Hazardous Decomposition Products</b>	Carbon monoxide(CO), carbon dioxide(CO2), nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	No toxicity data is available for this material.
<b>Inhalation</b>	May cause irritation to the mucous membrane and upper airways. Symptoms may include headache, dizziness, inebriation, nausea, vomiting.
<b>Ingestion</b>	May cause irritation to gastrointestinal tract. Symptoms may include pain, nausea, vomiting and diarrhoea.
<b>Skin</b>	Will dry and defat the skin, causing skin irritation, which can result in redness, itching and possible dermatitis.
<b>Eye</b>	Will cause irritation in contact with the eyes resulting in redness, swelling, tearing and stinging.
<b>Chronic Effects</b>	Repeated or prolonged exposure to this material may defat the skin, causing skin irritation, which may lead to dermatitis.

## 12. ECOLOGICAL INFORMATION

<b>Environ. Protection</b>	Prevent the material from entering the environment.
<b>Persistence / Degradability</b>	Not readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	Dispose of waste according to federal, E.P.A, State and local regulations. Assure conformity with all applicable regulations.
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## 14. TRANSPORT INFORMATION

	Classified as a Class 2 Dangerous Good. Dangerous Goods of Class 2.1 Flammable Gases, or with a subsidiary risk of 2.1, are incompatible in a placard load with any of the following: - Class 1, Class 3, if both the Class 2.1 and Class 3 dangerous goods are in bulk, Class 4, Class 5, and Class 7.
<b>U.N. Number</b>	1950
<b>Proper Shipping Name</b>	AEROSOLS - (Contains Butane, Propane, 1-Methoxy-2-Propanol)
<b>DG Class</b>	2.1
<b>Hazchem Code</b>	2Y

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**Packaging Method** 5.9.2

**EPG Number** 2D1

**IERG Number** 49

## 15. REGULATORY INFORMATION

**Risk Phrase** R12 Extremely Flammable.  
R36/38 Irritating to eyes and skin.

**Safety Phrase** S16 Keep away from sources of ignition - No smoking.  
S17 Keep away from combustible material.  
S2 Keep out of reach of children.  
S20/21 When using, do not eat, drink or smoke.  
S23 Do not breathe gas/fumes/vapour/spray  
S24/25 Avoid contact with skin and eyes.  
S3/9 Keep in a cool, well ventilated place.  
S33 Take precautionary measures against static discharges.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**Poisons Schedule** Not Scheduled

**Hazard Category** Irritant, Extremely Flammable

## 16. OTHER INFORMATION

**Contact Person/Point** Terry Duff  
Sales & Product Manager  
Tel: 02-9938 1566

**References** Safety Data Sheet by ELECTROLUBE(UK) Dated: 12 May 2000 REF: GRG400  
...End Of MSDS...