



MATERIAL SAFETY DATA SHEET

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Issue Date: 10th April 2014
Graffiti Remover
Version: 2

Product name: Graffiti Remover

1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: Hi-Tec Oil Traders Pty Ltd. (ABN 28 053 837 362)
ADDRESS: PO Box 322 Castle Hill NSW 1765
5 Tarlington Place, Smithfield NSW 2164

TELEPHONE NUMBER: 1300 796 009

FAX NUMBER: (02) 9604 1611

EMERGENCY TELEPHONE NUMBER: 1300 796 009

PRODUCT NAME: Graffiti Remover

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: 3175

USE: Texta, graffiti, pen and ink remover

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information.

OTHER INFORMATION: Visit our website: www.hi-tecoils.com.au
Email: hitecoils@hi-tecoils.com.au

2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE This product is classified as: Hazardous according to the criteria of NOHSC Australia.
This product is classified as a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

RISK PHRASES: R10 Flammable,
R43 May cause sensitisation by skin contact,
R65 Harmful, may cause lung damage if swallowed,
R20/21/22 Harmful by inhalation, in contact with skin, and if swallowed,
R36/37/38 Irritating to eyes, respiratory system and skin.

SAFETY PHRASES: S16 Keep away from sources of ignition, No smoking;
S20 When using, do not eat or drink;
S23 Do not breathe vapours, mists or spray;
S28 After contact with skin, wash immediately with plenty of soap and water;,
Wear suitable gloves;
S38 In case of insufficient ventilation, wear suitable respiratory equipment;
S46 If swallowed, contact a doctor or Poisons Information Centre immediately and show this container or label,
S60 This material and its container must be disposed of as hazardous waste,



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2. HAZARDS IDENTIFICATION (CONT.)

S61 Avoid release to the environment, Refer to special instructions/Safety Data Sheets;
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this MSDS;
S1/2 Keep locked up and out of reach of children;
S24/25 Avoid contact with skin and eyes.

SUSDP CLASSIFICATION: S6
ADG CLASSIFICATION: Class 3 (FLAMMABLE LIQUID, N.O.S.)
UN NUMBER 1993

EMERGENT OVERVIEW

PHYSICAL DESCRIPTION & COLOUR: Clear, colourless liquid.
ODOUR: Mild, characteristic odour.
MAJOR HEALTH HAZARDS: 2-butoxyethanol is a severe eye irritant. Results of skin irritation studies are conflicting; however, it is considered to be a mild to moderate skin irritant in test animals. Contact dermatitis has been reported in a few cases. It is well absorbed via the inhalational, oral and dermal routes. Product is harmful by inhalation, in contact with skin, and if swallowed, irritating to eyes, respiratory system and skin, possible skin sensitiser, if aspirated, may cause lung damage.

POTENTIAL HEALTH EFFECTS

Note: sensitisation to ingredients such as d-limonene occurs in only a small percentage of persons, but those who are Sensitised may show severe reactions. Most people may use this product without sensitisation reactions, however those sensitised to d-limonene should avoid contact with this product.

INHALATION

SHORT TERM EXPOSURE: Significant inhalation exposure is considered to be unlikely. Available data shows that this product is harmful, but symptoms are not available. In addition product is an inhalation irritant. Symptoms may include headache, irritation of nose and throat and increased secretion of mucous in the nose and throat. Other symptoms may also become evident, but they should disappear after exposure has ceased.
LONG TERM EXPOSURE: No data for health effects associated with long term inhalation.

SKIN CONTACT:

SHORT TERM EXPOSURE: Available data shows that this product is harmful, but symptoms are not available. In addition product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but all should disappear once exposure has ceased.



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POTENTIAL HEALTH EFFECTS (CONT)

LONG TERM EXPOSURE:	No data for health effects associated with long term skin exposure.
EYE CONTACT:	
SHORT TERM EXPOSURE:	Exposure via eyes is considered to be unlikely. This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.
LONG TERM EXPOSURE:	No data for health effects associated with long term eye exposure.
INGESTION:	
SHORT TERM EXPOSURE:	Significant oral exposure is considered to be unlikely. Because of the low viscosity of this product, it may directly enter the lungs if swallowed, or if subsequently vomited. Once in the lungs, it is very difficult to remove and can cause severe injury or death. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.
LONG TERM EXPOSURE:	No data for health effects associated with long term ingestion.
CARCINOGEN STATUS:	
NOHSC:	No significant ingredient is classified as carcinogenic by NOHSC.
NTP:	No significant ingredient is classified as carcinogenic by NTP.
IARC:	No significant ingredient is classified as carcinogenic by IARC.

3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

Ingredients	CAS No	Conc., %	TWA (mg/m3)	STEL (mg/m3)
2-Butoxyethanol	111-76-2	50	121	not set
Liquid hydrocarbon	various	35	not set	not set
D-limonene	5989-27-5	5	not set	not set
Other non hazardous ingredients	secret	to 100	not set	not set



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3. IDENTIFICATION / COMPOSITION OF INGREDIENTS (CONT)

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible. The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

4. FIRST AID MEASURES

GENERAL INFORMATION:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

INHALATION:

If symptoms of poisoning become evident, contact a Poisons Information Centre, or call a doctor at once. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow victim to move about unnecessarily. Symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

SKIN CONTACT:

Quickly and gently blot away excess liquid. Wash gently and thoroughly with warm water (use nonabrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

EYE CONTACT:

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately.

INGESTION:

If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS

This product is classified as flammable. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.



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5. FIRE FIGHTING MEASURES (CONT)

EXTINGUISHING MEDIA	Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog. Foam is the preferred medium for large fires. Ensure that no spillage enters drains or water courses.
FIRE FIGHTING	When fighting fires involving significant quantities of this product, wear a splash suit complete with self contained breathing apparatus.
FLASH POINT	Not established, but known to be flammable.
UPPER FLAMMABILITY LIMIT	No data.
LOWER FLAMMABILITY LIMIT	No data.
AUTOIGNITION TEMPERATURE	No data.
FLAMMABILITY CLASS	Flammable

6. ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE	<p>In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. It should be fitted with a type A cartridge, suitable for organic vapours. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Avoid using sawdust or other combustible material. Any electrical equipment should be non-sparking. Any equipment capable of building an electrostatic charge should be electrically grounded. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.</p>
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7. HANDLING AND STORAGE

HANDLING

Keep exposure to this product to a minimum, and minimise the quantities kept in work area. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

STORAGE:

This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store in a cool, well ventilated area, and make sure that surrounding electrical devices and switches are suitable. Check containers periodically for leaks. Containers should be kept closed in order to minimise contamination and possible evaporation. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. If you keep more than 1000L of flammable liquids of Packaging Group III, you are probably required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

Exposure Limits
2-Butoxyethanol

TWA (mg/m3)
121

STEL (mg/m3)
not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

VENTILATION:

No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

EYE PROTECTION:

Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

SKIN PROTECTION:

If you believe you may have a sensitisation to this product or any of its declared ingredients, you should prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

PROTECTIVE MATERIAL TYPES:

We suggest that protective clothing be made from the following materials: rubber, PVC.

RESPIRATOR:

Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Eyebaths or eyewash stations and safety deluge showers should be provided near to where this product is being used.





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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION & COLOUR:	Clear, colourless liquid.
ODOUR:	Mild, characteristic odour.
BOILING POINT:	Not available.
FREEZING/MELTING POINT:	No specific data. Liquid at normal temperatures.
VOLATILES:	Partly volatile at 100°C, but completely volatile at higher temperatures.
VAPOUR PRESSURE:	No data.
VAPOUR DENSITY:	No data.
SPECIFIC GRAVITY:	Approx 0.9 at 20°C
WATER SOLUBILITY:	Dispersible.
pH:	No data.
VOLATILITY:	No data.
ODOUR THRESHOLD:	No data.
EVAPORATION RATE:	No data.
COEFF OIL/WATER DISTRIBUTION:	No data
AUTOIGNITION TEMP:	No data.

10. STABILITY AND REACTIVITY

REACTIVITY:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
CONDITIONS TO AVOID:	This product should be kept in a cool place, preferably below 30°C. Keep away from sources of sparks or ignition. Handle and open containers carefully. Any electrical equipment in the area of this product should be flame proofed.
INCOMPATIBILITIES:	Oxidising agents.
FIRE DECOMPOSITION:	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke, water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
POLYMERISATION:	This product will not undergo polymerisation reactions.



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11. TOXICOLOGICAL INFORMATION

TOXICITY: 2-butoxyethanol is a severe eye irritant. Results of skin irritation studies are conflicting; however, it is considered to be a mild to moderate skin irritant in test animals. Contact dermatitis has been reported in a few cases. It is well absorbed via the inhalational, oral and dermal routes. Absorption studies in various species, including humans, have shown that 2-butoxyethanol is rapidly absorbed through the skin, including absorption from aqueous solutions. The respiratory uptake in volunteers in international studies was approximately 57-78% of the inspired amount. Human studies indicate that dermal absorption of vapour is approximately 20% of the total vapour uptake. Following absorption, it is widely distributed throughout the body. The ingestion of large quantities of 2-butoxyethanol may result in coma, metabolic acidosis, shock and respiratory distress.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Biodegradation studies indicate that 2-butoxyethanol will be readily degraded by micro-organisms present at sewage treatment plants. Ready biodegradability tests showed that it achieved a biodegradation rate of greater than 77% after 3 days and 100% after 7 days. A 20-day biochemical oxygen demand test and an OECD 28-day closed bottle test gave it degradation rates of 75% and 88% respectively. Literature data confirm these results.

13. DISPOSAL CONSIDERATIONS

DISPOSAL: Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. Please do NOT dispose into sewers or waterways.

14. TRANSPORT INFORMATION

ADG CODE: 1993, FLAMMABLE LIQUID, N.O.S.
HAZCHEM CODE: 3[Y]
SPECIAL PROVISIONS: SP109, SP185, SP274
DANGEROUS GOODS CLASS: Class 3, Flammable liquids.
PACKAGING GROUP: III
PACKAGING METHOD: 3.8.3, RT1

15. REGULATORY INFORMATION

AICS: We are unable to verify the presence of all of the ingredients in this product on the public AICS database. There are several possible reasons why this may occur. If you have any reason to be concerned about this, we suggest you call us on the number below. The following ingredients: 2-Butoxyethanol, Liquid hydrocarbon, is mentioned in the SUSDP.





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16. OTHER INFORMATION

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number
CONTACT PERSON/POINT:	General Manager 1300 796 009

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Material Safety Data Sheets are updated frequently. Please ensure you have a current copy.



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16. OTHER INFORMATION (CONT)

LITERATURE REFERENCES:

- * NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
- * NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
- * NOHSC: 10005 List of Designated Hazardous Substances.
- * NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.
- * NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.
- * NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.
- * NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.
- * NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.
- * NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.
- * SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
- * ADG: Australian Dangerous Goods Code
- * MSDS of component materials.

LAST CHANGE:

Replaces document dated: 7 August 2013
Reason/s for revision: Minor editorial changes

GH414001/1

END OF MSDS



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