



## CALMARC CHEMICALS

MANUFACTURING INDUSTRIAL CHEMISTS

16 GOONGARRIE ST, BAYSWATER W.A 6053

TELEPHONE: Bus. (08) 93782022 Mobile 0418 956 860 A/H (08) 9381 5052.

Facsimile (08) 9377 2575 A.C.N 009 026 386. ABN 18 340 289 669

**THIS PRODUCT IS A HAZARDOUS SUBSTANCE AS DEFINED BY SAFE WORK AUSTRALIA**

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

|                         |   |
|-------------------------|---|
| Product Name:           | Graffi Pen Remover  |
| Manufacture Code:       | GFPR  |
| Emergency Telephone No: | (08) 9378 2022<br>0408 940 669<br>(08) 9381 5052  |
| Email:                  | accounts@calmarc.com.au   |
| Creation Date:          | 7 November 2016   |
| SDS Responsibility:     | Calmarc Chemical's Technical Sales (08) 9378 2022<br>0408 940 669   |
| Other Information:      | This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibilities for products sold are subject to our standard terms and conditions. A copy of our terms and conditions and technical information pamphlets are available upon request.<br><b><u>DISCLAIMER</u></b><br>This information is based on the present level of knowledge about safety requirements not specific properties. The listed data is therefore subject to change and revision without notice and cannot be guaranteed. No warranty expressed or implied is made as to accuracy, reliability or completeness of the detail in this document. |

### SECTION 2 – HAZARDS INFORMATION/EMERGENCY OVERVIEW

|                                   |   |
|-----------------------------------|---|
| <b>Globally Harmonised System</b> |   |
| Hazard Classification             | Hazardous according to the criteria of the Globally Harmonised System of classification and labelling of Chemicals (GHS). |
| <b>Signal Word</b>                | <b>DANGER</b>   |
| <b>Physical Data</b>              | <b>Product is flammable.</b>  |



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### ACUTE HEALTH EFFECTS

#### Swallowed

Accidental swallowing is unlikely in the workplace setting. Swallowing can cause drunkenness or harmful central nervous system effects. The deliberate ingestion of ethanol (50-100ml) may cause inebriation such that safety is impaired. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, and fatigue. Ingestion of a large amount may lead to severe acute intoxication, tremours, convulsion, loss of consciousness, coma, respiratory arrest and death. Aspiration in to lung may cause pneumonitis.

#### Skin

May include burning sensation and/or a dried/cracked appearance. Prolonged contact may cause defatting of skin which can lead to dermatitis.

#### Eye

May include burning sensation, redness, swelling and/or blurred vision.

#### Inhalation

Inhalation of vapours or mists may cause irritation to the respiratory system. Inhalation of the vapour may result in drunkenness (as per effects of swallowing). Early symptoms may occur at airborne levels of 1000 to 5000ppm.

#### Chronic

Long term exposure by swallowing or repeated inhalation, may cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle.

### SPECIAL HEALTH EFFECTS

#### Environmental

Do not allow products to enter drinking water, rivers and streams as it may harm vegetation and wildlife.

| GHS Classification   | Pictogram | Hazard Statement  |
|--|-----------|---|
| Flammable Liquid<br>Category 2   |           | H225 – Highly flammable liquid and vapour.                              |
| Skin Corrosion/Irritation<br>Category 2<br>Eye irritation<br>Category 2A |           | H315 – Causes skin irritation.<br>H319 – Causes serious eye irritation. |
| Germ Cell Mutagenicity<br>Category 2                                     |           | H341 – Suspected of causing genetic defects.                            |



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|   |   |
|---|---|
| <b>GENERAL</b>  |   |
| P101<br>P102<br>P103  | If medical advice is needed, have product container or label at hand.<br>Keep out of reach of children.<br>Read label before use.   |
| <b>PREVENTATIVE</b>   |   |
| P210<br>P233<br>P241<br>P242<br>P243<br>P280<br>P281  | Keep away from heat/sparks/open flames/hot surface – No smoking.<br>Keep container tightly closed.<br>Use explosion-proof electrical/ventilation/lighting equipment.<br>Use only non sparking tools.<br>Take precautionary measures against static discharge.<br>Wear protective gloves/protective clothing and eye/face protection.<br>Use personal protective equipment is required.  |
| <b>RESPONSE</b>   |   |
| P303 + P361 + P353<br><br>P370-P378<br>P308 + P313<br>P362<br>P305 + P351 + P338<br><br>P337 + P313 | IF ON SKIN (or hair): Take off contaminated clothing and wash before reuse. Rinse skin with water/shower<br>In case of fire: Use foam/water spray/fog for extinction.<br>If exposed or concerned: Get medical advice/attention.<br>Take off contaminated clothing and wash before reuse.<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>If eye irritation persists: Get medical advice/attention. |
| <b>STORAGE</b>  |   |
| P405<br>P403 + P235   | Store locked up.<br>Store in a well-ventilated place. Keep cool.  |
| <b>DISPOSAL</b>   |   |
| P501  | Dispose of contents/container in accordance with local/regional/national/international regulations.   |

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENTS   | CAS No.    | CONCENTRATION |
|---------------|------------|---------------|
| Ethanol       | 64-17-5    | 30-60% m/m    |
| Dibasic ester | 95481-62-2 | 30-60% m/m    |
| Water         | 7732-18-5  | <5%           |



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### SECTION 4 – FIRST AID MEASURES

|                         |   |
|-------------------------|---|
| <b>Swallowed</b>        | Do not induce vomiting unless instructed by a doctor. Rinse mouth with water. Never give or induce anything to an unconscious patient. Seek immediate medical advice. |
| <b>Skin</b>             | Rinse affected area thoroughly with water for 15 minutes or until no evidence of the product remains. Wash all clothing before reuse. Seek medical advice.            |
| <b>Eye</b>              | Rinse with plenty of water for at least 15 minutes. Seek immediate medical assistance.  |
| <b>Inhalation</b>       | Remove from exposure to fresh air. If patient is not breathing, give artificial respiration. Obtain medical assistance.   |
| <b>Advice to Doctor</b> | Treat symptomatically.  |

### SECTION 5 – FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Fire and Explosion</b>               | There is a moderate risk of explosion if the product is involved in a fire.   |
| <b>Ventilation</b>                      | Always have some form of ventilation when using or storing this product.  |
| <b>Earthing</b>                         | Earth the product container if there is a potential for static electricity build up.  |
| <b>Autoignition Temperature</b>         | 392°C   |
| <b>Source of Ignition</b>               | Keep away from open flame, sparks, high sources of heat transmission and static electricity discharge.  |
| <b>Flash Point</b>                      | 13°C(closed cup)  |
| <b>Extinguishing Media</b>              | Carbon dioxide, dry chemical foam, water fog, water spray.  |
| <b>Special Fire Fighting Procedures</b> | None  |
| <b>Decomposition Products</b>           | Carbon dioxide, carbon monoxide, water.   |
| <b>Upper Explosive Limit % by vol.</b>  | 19  |
| <b>Lower Explosive Limit % by vol.</b>  | 3   |
| <b>Reactivity</b>                       | Keep away from strong acids and oxidising agents.   |
| <b>Protection of Firefighters</b>       | Wear safety boots, non-flammable overalls, gloves, safety hat (with face shield) or firefighter helmet (preferred), goggles and self-contained breathing apparatus. All skin areas should be covered. Block all drains and water courses to inhibit any spillage into them. |



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### SECTION 6 – ACCIDENTAL RELEASE MEASURES

|                            |  |
|----------------------------|--|
| <b>Spills and Disposal</b> | <p>Prevent product entering drains and water courses. Stop leaks in containers. Use absorbents, such as vermiculite, attapulgate, cardboard or sand. Collect absorbent with absorbed product and place into separate labelled containers for recycling, salvage or disposal at a receival depot for dangerous or hazardous goods. Rinse area with water and collect rinsings using a mop or wet vacuum cleaner.</p> <p>Launder all contaminated clothing or wiping rags before re-use.</p> |
| <b>Cleaning Protection</b> | <p>Open up the area where spill or leak has occurred to ventilate direct vapours away. Attach earth leak cables to any containers in the spill area. Have absorbents, such as vermiculate, attapulgate, cardboard or sand on hand to control flow of the spilled mobile product. Use wet vacuum cleaner or mop to collect any small spills.</p>  |

### SECTION 7 – HANDLING AND STORAGE

|  |  |
|--|--|
| <b>Protection against explosions and fires</b> | <p>Keep containers on site away from sources of heat, sparks and earth if necessary, for static electricity. Use secure locked storage if possible and have forced or natural ventilation over worksite or storage areas.</p>  |
| <b>Packages</b>                                | <p>The product is supplied in high density polypropylene bottles, jerry cans or cubes. Packaging group type II and III.</p>  |
| <b>Storage</b>                                 | <p>After decanting from containers, tightly reseal containers and store immediately. Store away from food stuffs. Store in a cool, dry, well-ventilated area under cover between 5°C and 30°C. Store containers away from any heat sources, sparks. Do not store with oxidising agents or acids.</p> |

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

|                        |  |
|------------------------|--|
| <b>Exposure Limits</b> | <p>The ingredients of which components with established NOHSC exposure standards are listed below. Other ingredients do not have established NOHSC exposure standards.</p> |
|------------------------|--|

| INGREDIENTS | TWA                                | STEL                        |
|-------------|------------------------------------|-----------------------------|
|             | (Time Weighed Average)             | (Short Term Exposure Limit) |
| Ethanol     | 1000 ppm<br>1880 mg/m <sup>3</sup> | None                        |



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### Engineering Measures

Ventilation must be adequate to ensure the working environment is below TWA value, otherwise use respiratory protection. For information or respiratory protection consult AS1716 and see 'respiratory requirements' below.

### Airborne Exposure Limits

No airborne exposure limits have been established.

### PERSONAL PROTECTIVE EQUIPMENT

#### Eye/Face Protection

Wear safety glasses, goggles or preferably a face shield. In enclosed non-ventilated areas, an air line to full head cover helmet with mask may be necessary. Breathing mask to be suitable for organic gases and vapours (boiling point >65°C). Respirators should comply with AS1716 or an equivalent approved by a state/ territory authority.

#### Skin/Body Protection

Wear nitrile or PVC gloves for 8-hour day. Short-term protection (1 hour), natural rubber is suitable. Wear full coverall clothing protection with safety boots.

#### Hygiene Measure

Wash hands before meal breaks and at the end of a work period. Any contaminated clothing should be removed. Avoid inhaling any fumes on a long-term basis.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|                  |                                |
|------------------|--------------------------------|
| Substance        | Formulation blend of chemicals |
| Physical Form    | Liquid                         |
| Colour           | Colourless clear liquid        |
| Odour            | Sweet alcoholic                |
| Ph               | N/A                            |
| Boiling Point    | 78°C at 100 kPa                |
| Melting Point    | Not Applicable                 |
| Flash Point      | 13°C (Closed cup)              |
| Freezing Point   | -20°C                          |
| Autoignition     | 392°C                          |
| Water Solubility | Miscible with water            |
| Vapour Pressure  | 44 mmHg @ 20°C                 |
| Specific Gravity | 0.88 g/cc                      |

## SECTION 10 – STABILITY AND REACTIVITY

### Stability

Stable as supplied at normal (average) atmospheric temperatures.

### Reactivity

Reactive to strong oxidisers, strong bases.

### Decomposition Products

Decomposition products are carbon monoxide, carbon dioxide, water. No polymerisation takes place.



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### SECTION 11 – TOXICOLOGICAL INFORMATION

Based on information for components:

#### Acute Toxicity

|  |   |
|--|---|
| Ethanol  | Low toxicity in animals<br>LD50 Oral (rat): > 7060 mg/kg<br>LC50 Inhalation (rat, 6h): 5900 mg/m <sup>3</sup>   |
| <b>Skin corrosion/irritation</b>                                 | Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.  |
| <b>Serious eye damage/irritation</b>                             | Vapours may irritate the eyes. Liquid or mists may severely irritate or damage the eyes.  |
| <b>Respiratory or skin sensitisation</b>                         | Not expected to be a sensitiser.  |
| <b>Germ cell mutagenicity</b>                                    | Not expected to be mutagenic.   |
| <b>Carcinogenicity</b>   | Not expected to be carcinogenic.  |
| <b>Reproductive Toxicity</b>                                     | Not expected to impair fertility.   |
| <b>Specific Target Organ Toxicity (STOT) – single exposure</b>   | Data not available.   |
| <b>Specific Target Organ Toxicity (STOT) – repeated exposure</b> | Long-term exposure by swallowing or repeated inhalation, may cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle. |
| <b>Aspiration Hazard</b>   | Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.  |

### SECTION 12 – ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Acute toxicity:

|                      |                         |
|----------------------|-------------------------|
| Fish                 | Expected to be harmful. |
| Aquatic invertebrate | Expected to be harmful. |
| Algae                | Expected to be toxic.   |
| Microorganisms       | Expected to be harmful. |

##### Chronic toxicity:

|                      |                     |
|----------------------|---------------------|
| Fish                 | Data not available. |
| Aquatic invertebrate | Data not available. |
| Algae                | Data not available. |
| Microorganisms       | Data not available. |

|                                  |                      |
|----------------------------------|----------------------|
| <b>Mobility in soil</b>          | Miscible with water. |
| <b>Bioaccumulative potential</b> | Data not available.  |
| <b>Persistence/Degradability</b> | Biodegradable.       |
| <b>Special Precautions</b>       | None                 |



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### SECTION 13 – DISPOSAL CONSIDERATIONS

#### Waste Disposal

Allow absorbents to dry out in the open atmosphere. Contaminated product should be reprocessed by an approved organisation. Place any dried absorbent in plastic bags, seal and dispose at an approved site.

### SECTION 14 – TRANSPORT INFORMATION

|                      |                        |
|----------------------|------------------------|
| Shipping Name        | Ethyl Alcohol solution |
| Dangerous Goods Code | 3                      |
| Subsidiary Risk      | none                   |
| UN Number            | 1170                   |
| Packaging Group      | II                     |
| I.E.R.G. No.         | 14                     |
| HAZCHEM              | 2[Y]E                  |

### SECTION 15 – REGULATORY INFORMATION

Poison Schedule 5

### SECTION 16 – OTHER INFORMATION

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product.

Directions for use are on the label and brochure describing **Graffi Pen Remover**.

SDS NEXT REVIEW DATE 6 September 2024

END OF SDS FOR GRAFFI PEN REMOVER