

Safety Data Sheet

Page 1 of 7 Review date: SEPTEMBER 2013

Classified as Hazardous according to criteria of Worksafe Australia

EZY CLEAN RED

1. IDENTIFICATION OF THE MATERIAL & SUPPLIER

Product Name: EZY CLEAN RED

Synonym: None allocated

Use: Graffiti Remover

Graffiti Removal Systems Pty Ltd

2/49 Webber Parade Keilor East Victoria 3033

Tel: (61) 1300 59 77 80

Fax: (61 3) 5146 0432

Email: sales@grchemicals.com.au

Website: www.graffitiremovalchemicals.com.au

A.C.N. 079 733 163

A.B.N. 48 079 733 163

Emergency Advice All Hours:

A.H. Emergency No (03) 9799 9833 Technical Manager

2. HAZARD IDENTIFICATION

Hazardous according to criteria of NOHSC/ASCC

HAZARDOUS ACCORDING TO EU CRITERIA

Hazard Category: Harmful (Xn), Corrosive (C+)

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOOD

RISK PHRASES

R11 Flammable

R20/22 Harmful by inhalation and if swallowed.

R35 Causes severe burns.

R65 Harmful: May cause lung damage if swallowed.

SAFETY PHRASES

S1/2 Keep locked up and out of reach of children.

S7 Keep container tightly closed.

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe gas/fumes/vapour/spray [appropriate wording to be specified by the manufacturer].

S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately and show this container or label.

S62 If swallowed, do not induce vomiting; Seek medical advice immediately and show this container or label.

Poison Schedule: S6 [Aust]

This material is a Scheduled **S6** Poison and must be stored, handled and used according to the appropriate regulations..

Warning Statement: None indicated

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
ETHANOL	10 to 30%	64-17-5

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POTASSIUM ETHOATE	1 to 10%	134092-62-9
HYDROCARBONS, C9-16, HYDROTREATED DEAROMATIZED	10 to 60%	93763-35-0
BENZYL ALCOHOL	10 to 30%	100-51-6
WATER AND OTHER NON-HAZARDOUS SUBSTANCES	1 to 10%	Mixture

All other ingredients not hazardous according to EU Criteria.

4. FIRST AID MEASURES

Swallowed:

If swallowed, DO NOT induce vomiting. Give 3 to 4 glasses of water to drink. Seek urgent medical assistance.

Eye:

If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. Immediately transport to hospital or doctor.

Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water.

Inhaled:

Remove victim to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor:

Treat symptomatically.

In case of poisoning, contact Poisons Information Centre

In Australia call Tel: 131126

In New Zealand Tel: 034747000

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

CAUTION: Use of water spray when fighting fire may be inefficient.

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, foam or Water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel. Avoid spreading burning liquid with water used for cooling fire exposed containers when using water spray, boil-over may occur when the product temperature reaches the boiling point of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapours from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from the point of handling.

HAZCHEM CODE: 3W [Aust]

FLAMMABILITY

Flammable liquid. Avoid all sources of ignition, heat and naked flames. Vapours may travel a considerable distance to source of ignition and ignite.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION:

Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Do not walk or touch spilt material unless wearing personal protection as outlined under MSDS.

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SPILL OR LEAK PROCEDURE:

Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapour; but it may not prevent ignition in closed spaces.

SMALL SPILLS:

Take up with sand, dirt or vermiculite. DO NOT use sawdust. Use non-sparking tools. Place into labelled drum(s) for later disposal.

LARGE SPILLS:

Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

7. HANDLING AND STORAGE

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition, strong alkalis, acids, combustibles and oxidizing agents. All equipment must be earthed. Store in original packages as approved by manufacturer. Check all fittings, valves, reticulation (piping) and any ancillary equipment for leaks. A supplied air respirator or a Self-Contained Breathing Apparatus (SCBA) for emergencies should be available and checked regularly. For further information please refer to the Engineering Controls of this MSDS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following components of the product:

ETHANOL

(Worksafe Australia)

[TWA]1,000 ppm 1,880 mg/m³

References: H

Mutagenic Category: National Occupational Exposure Standard (NES), Safe Work Australia (formerly ASCC/NOHSC)

(ACGIH)

[TWA]1,000 ppm 1,880 mg/m³

POTASSIUM ETHOATE

(Worksafe Australia)

[TWA]2 mg/m³

[STEL]Peak limitation

References: H

(ACGIH)

[STEL]2 (Ceiling)

BENZYL ALCOHOL

No exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC)

HYDROCARBONS, , C9-16, HYDROTREATED, DEAROMATIZED

No exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC)

Engineering Controls

Highly flammable and corrosive liquid. Single significant exposure may cause severe injury or death. Maintain adequate ventilation at all times. Prevent accumulation of gas(es) in hollows or sumps. Eliminate any sources of ignition. DO NOT enter room unless monitored by another person (ie buddy-buddy system).

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Personal Protection Equipment

CLOTHING: Nitrile or neoprene apron.

GLOVES: Nitrile or neoprene.

EYES: Chemical goggles or faceshield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of gases. Select and use respirators in accordance with AS/NZS 1715/1716. When the concentration of airborne contaminants reach the exposure standards then the use of a half-face respirator with acid vapour cartridge is recommended. For high concentration use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus supplied air respirator complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels.

If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended. The use of fully-encapsulating, gas-tight suits is also recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Tan to brown liquid
Boiling Point :	>80 degrees celcius
Vapour Pressure:	Not Known
Specific Gravity:	0.91-0.92
Flash Point:	29 degrees celcius
Flammability Limits:	>363 degrees celcius
Solubility in Water:	Washable not soluble

Other Properties

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS:

Emits acrid smoke and fumes when heated to decomposition.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITIES:

Strong alkalis, acids, nitrates and oxidizing agents.

CONDITIONS TO AVOID:

Heat, flames, ignition sources and incompatibles.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

ACUTE HEALTH EFFECTS:

Swallowed:

Harmful if swallowed.

Will cause severe burns to the mouth, mucous membranes, throat, oesophagus and stomach with effects including: Spontaneous vomiting with diarrhoea and possible bloody stools. Small quantities, approximately 20-50 ml, ingested (swallowed) will cause death.

Eye:

Will cause severe burns to the eyes with effects including: Pain, tearing, corneal opacity and blindness. If prompt action is not taken, permanent eye damage will occur.

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Skin:

Will cause severe burns to the skin, with effects including; Redness, blistering, localised pain, dermatitis and deep burns.

Inhaled:

Harmful if inhaled.

Mists or vapours will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, coughing, loss of co-ordination, tightening of the chest, chest pains and possible pulmonary oedema.

Chronic:

Prolonged or repeated skin contact may lead to dermatitis.

Prolonged or repeated exposure may lead to irreversible damage to health.

Prolonged or repeated skin contact will lead to necrosis (death) of the skin.

Prolonged or repeated exposure or deliberately concentrating and inhaling the vapour(s) may result in lung function incapacity or death.

Additional information for Chronic

According to OECD Guideline for the Testing of Chemicals (OECD 405) for eye corrosion and

OECD Guideline for the Testing of Chemicals (OECD 404) for skin corrosion, both test procedures have been utilized to determine that potassium hydroxide is a confirmed corrosive substance.

Toxicological Data:

There is no other toxicological information available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No Data available

Mobility:

No Data available

Persistence / Degradability:

No Data available

Chemical Fate Information:

No Data available

This substance may cause long term adverse effects in the aquatic environment.

This substance may cause long term adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Advise toxic and/or corrosive nature if applicable. Normally suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

Road Transport

UN Number: 2924

Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

Dangerous Goods Class: 3

Sub Risk: 8

Packing Group: III

Label: Harmful (Xn), Corrosive (C+)

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Air Transport

UN Number: 2924

Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

Dangerous Goods Class: 3

Sub Risk: 8

Packing Group: III

Label: Harmful (Xn), Corrosive (C+)

Sea Transport

UN Number: 2924

Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

Dangerous Goods Class: 3

Sub Risk: 8

Packing Group: III

Label: Harmful (Xn), Corrosive (C+)

HAZCHEM CODE: 3W [Aust]

Classified as a CLASS 3 (FLAMMABLE LIQUID), and CLASS 8 (CORROSIVES) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, 6th Edition.

Dangerous goods of Class 3 (Flammable Liquid), Class 6 (Toxic) and Class 8 (Corrosive) are incompatible in a placard load with any of the following:

- Class 1
- Class 2.1, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3
- Class 4.2
- Class 5
- Class 6, if the Class 3 dangerous goods are nitromethane
- Class 7

Emergency information(Transport):

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997)

For LIQUIDS - Flammable, Toxic &/or Corrosive Guide No: 18

15. REGULATORY INFORMATION

Poison Schedule: S6 [Aust]

This material is a Scheduled **S6** Poison and must be stored, handled and used according to the appropriate regulations..

EPG: Flammable, Toxic &/or, Corrosive Guide No: 18

Inventory Status:

<i>Inventory</i>	<i>Status</i>
Australia (AICS)	Y
United States (TSCA)	Y
Canada (DSL)	Y
Europe (EINECS/ELINCS)	Y
Japan (MITI)	Y
South Korea (KECL)	Y

Y = all ingredients are on the inventory.

16. OTHER INFORMATION

Date of Preparation: JULY 2013

Issue date: SEPTEMBER 2013

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Supersedes: JULY 2013

Reasons for Update:

Review of Packaging Class

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 - Respiratory protective devices. [Aust/NZ]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EU - European Union

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Removal of the heading of *Poison Schedule [Aust]*, in section 3 and 15 of this Safety Data Sheet (SDS) makes this a valid health and safety document in other international jurisdictions/countries. For full compliance please contact your Federal, State or Local regulators for further information.

Disclaimer

This SDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this SDS and consider the information in connection with the way the product is intended to be handled or used.

Principal References:

Information supplied by manufacturer, reference sources including the public domain.

END OF SDS