

GRAFFITI-ENZ CONCRETE CLEANER**SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER****Product Name**

Graffiti-Enz Concrete Cleaner

Other Names

None

Recommended Use

Graffiti remover formulated to remove all types of graffiti from concrete, unpainted brick, stainless steel, tiles, marble and stoneware.

Supplier Name

OneBioSci Pty Ltd (ACN – 09 39 475 98)

Company Mailing Address

PO Box 1029, NEW FARM QLD 4005 AUSTRALIA

Emergency Telephone Number

13 11 26 (National Poisons Information Centre - All Hours)

SECTION 2: HAZARDS IDENTIFICATION**Statement of Hazardous Nature**

- Hazardous substance (Irritant) (according to the latest edition of the NOHSC *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008])
- Not a dangerous good (according to the ADG Code)

Hazard Classification

Irritant (Xi)

Risk Phrases

R36/37/38 - Irritating to eyes, respiratory system and skin.

R42 – May cause sensitisation by inhalation.

Safety Phrases

S2 – Keep out of reach of children

S23 - Do not breathe spray.

S24/25 - Avoid contact with skin and eyes.

S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

S37/39 – Wear gloves and eye/face protection.

S41 – In case of fire and/or explosion, do not breathe fumes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
N-Methyl-2-Pyrrolidone	872-50-4	VHIGH
Ethoxylated Alcohol	-	LOW
Enzyme protein	-	VLOW
Other ingredients not considered hazardous according to the NOHSC Approved Criteria.	-	MED

Proportion (% volume per volume): VHIGH > 60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

SECTION 4: FIRST AID MEASURES

Symptoms and Effects

If symptoms develop seek medical attention.

Inhalation

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

Skin

Remove contaminated clothing and immediately wash affected skin thoroughly with water for at least 15 minutes. If persistent irritation occurs, obtain medical attention.

Eye

Flush eye immediately with copious quantities of water for at least 15 minutes. If persistent irritation occurs, obtain medical attention.

Ingestion

Do not induce vomiting. Immediately wash out mouth with copious quantities of water. Seek immediate medical attention or telephone the Poison Information Centre (13 11 26 – Australia only).

Advice to a Doctor

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Specific Hazards

Combustible liquid. Eliminate all sources of ignition. Combustion is likely to give rise to a complex mixture of toxic and/or irritating airborne solid and liquid particulate matter and gases, including carbon and nitrogen oxides/dioxides and hydrocarbons.

Extinguishing Media

Foam, dry chemical, carbon dioxide, water spray or fog.

Unsuitable Extinguishing Media

Water in jet. Use of halon based extinguishers should be avoided for environmental reasons.

Protective Equipment

Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

Other Information

Keep containers cool by spraying with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin, eyes and clothing. Immediately remove all contaminated clothing. Avoid inhalation and increase ventilation. Remove from all sources of heat.

Personal Protection

Wear eye goggles, PVC, neoprene or nitrile rubber gloves, disposable overalls and rubber safety boots. For guidance on respiratory protection see Section 8.

Environmental Precautions

Prevent liquid from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Clean-up Methods

Absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labelled, sealable container for subsequent safe disposal. Rinse residues with water.

GRAFFITI-ENZ CONCRETE CLEANER**Other Information**

Combustible liquid. Eliminate all sources of ignition. Inform the emergency services if a significant volume of liquid enters surface water drains.

SECTION 7: HANDLING AND STORAGE**Handling**

Only use in well-ventilated areas. Prevent the accumulation of vapours – do not store in confined spaces. Avoid breathing mists and aerosols. Do not use near ignition sources – avoid sparks and do not smoke. All equipment used when handling this product must be grounded. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Prevent spillages. Use high standards of personal hygiene after using this product – wash hands prior to eating, drinking or smoking. In addition to any specific recommendations given for controls of risks to health, safety and the environment, an assessment of risks must be made to help determine controls appropriate to local circumstances.

Storage

Use properly labelled and closeable containers. Keep container tightly closed in a dry, well-ventilated place away from direct sunlight and other sources of heat or ignition. Keep bulk drums in a bunded area. Do not smoke in storage areas.

Storage Temperatures

Ambient.

Recommended Materials

Polyethylene and polypropylene are suitable if they are high density types which have been specifically tested for compatibility with this product.

Unsuitable Materials

Materials for the construction of facilities for storing, handling and distributing this product should neither present unnecessary safety hazards nor adversely affect its quality. Containers must be impermeable and must not be weakened or otherwise affected by the product.

Other Information

Never siphon by mouth.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Safe Work Australia has not established a National Occupational Exposure Limit to this product. However, Safe Work Australia has established an exposure standard for the following chemical ingredients in the product-

Ingredient	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
N-Methyl-2-Pyrrolidone	25	103	75	309

Exposure Controls

Use local exhaust ventilation if there is a risk of inhalation of mists or aerosols.

Respiratory Protection

If a mist or aerosol cannot be controlled, a respirator fitted with an organic vapour cartridge combined with a particulate pre-filter should be used.

Hand Protection

PVC or nitrile rubber gloves.

Eye Protection

Wear safety goggles or an eye shield if splashes are likely to occur.

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Body Protection

Minimise all forms of skin contact. Overalls and shoes with oil resistant soles should be worn. Launder overalls and undergarments regularly.

Environmental Exposure Controls

Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Colour	Pale yellow
Physical State	Liquid at ambient temperature
Odour	Slight odour
pH Range	7 to 8
Vapour Density	>1 (air = 1)
Solubility in Water	Miscible
Density	circa 1.0 at 25°C
Flash Point	circa 95°C (open cup)
Flammability	Class C1 - Combustible Liquid
Auto-Ignition Temperature	Data not available

SECTION 10: STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions.

Conditions to Avoid

Heat, flames, sparks and other ignition sources

Materials to Avoid

Strong oxidising agents and acids, heat, sparks and other ignition sources.

Hazardous Decomposition Products

Hazardous decomposition products are not expected to form during recommended storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Basis for Assessment

Toxicological data has not been determined specifically for this product. Information given is based on knowledge of the components and the toxicology of similar products.

Acute Toxicity

- **Oral:** LD50>2000mg/kg, Rat. (non-toxic)
- **Eye:** May cause major eye damage. Exposure may result in eye damage, irritation, pain and/or redness.
- **Skin:** Irritant. Prolonged and repeated contact may result in irritation, skin rash and dermatitis.

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- **Respiratory:** Sensitiser & Irritant. Inhalation of aerosols or mists may induce sensitisation and may cause allergic reactions in sensitised individuals. May also cause irritation to the respiratory system and high levels may cause pulmonary oedema.
- **Ingestion:** Irritant. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

SECTION 12: ECOLOGICAL INFORMATION

Basis for Assessment

Ecotoxicological data has not been determined specifically for this product. Information given is based on knowledge of the components and the ecotoxicology of similar products.

Ecotoxicity

Expected to be non-toxic to fish.

Mobility (Guidance only – not based on any study)

Liquid under most environmental conditions. Miscible with water.

Persistence / Degradability

Expected to be biodegradable. Not expected to bioaccumulate

Other Adverse Effects

Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

SECTION 13: DISPOSAL CONSIDERATIONS

Precautions

Refer to Section 7 before handling the product or containers.

Waste Disposal

Recycle or dispose of in accordance with prevailing regulations, with a recognised collector or contractor. The competence of the contractor to deal satisfactorily with this type of product should be established beforehand. Recover or recycle if possible. Do not pollute the soil, water or environment with the waste product.

Product Disposal

As for waste disposal.

Container Disposal

Drums should be emptied and returned to the supplier or sent to a drum re-conditioner without removing or defacing markings or labels. Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Do not puncture cut or weld uncleaned drums. Recycle or dispose of in accordance with the legislation in force with a recognised collector or contractor.

SECTION 14: TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good in accordance with the Australian Code for the Transport of Dangerous Goods by Road or Rail (ADG Code).

ADG U.N. Number and ADG Class

None Allocated

ADG Packing Group and Hazchem Code

None Allocated

ADG Proper Shipping Names

None Allocated

SECTION 15: REGULATORY INFORMATION

EC Symbols

Xi (Irritant)

AICS (Australia)

All chemical ingredients listed on the Australian Inventory of Chemical Substances

National Legislation

- National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011]
- List of Designated Hazardous Substances [NOHSC:10005].
- Approved Criteria for Classifying Hazardous Substances [NOHSC:1008].
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].
- Australian Code for the Transport of Dangerous Goods by Road or Rail (ADG Code).
- Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

SECTION 16: OTHER INFORMATION

References

For detailed advice on Personal Protective equipment, refer to the following Australian Standards :-

- HB 9 (Handbook 9) Manual of industrial personal protection.
- AS/NZS 1337 Eye protectors for industrial applications.
- AS/NZS 1715 Selection, use and maintenance of respiratory protective devices.
- AS/NZS 1716 Respiratory protective devices.

Abbreviations

AICS - Australian Inventory of Chemical Substances

AS – Australian Standard

mg – milligrams

m – metre

NOHSC – National Occupational Health & Safety Committee

ppm – parts per million

PVC – Polyvinyl Chloride

STEL – Short Term Exposure Limit

SUSDP – Standard for the Uniform Scheduling of Drugs & Poisons

TWA – Time Weighted Average

Poisons Schedule (SUSDP)

Schedule 6 poison according to SUSDP.

Further Information

The information contained in this Material Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of OneBioSci Pty. Ltd., it is the responsibility of the user to determine the conditions of safe use of this preparation. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF MSDS
