

Section 1 - Identification of Chemical Product and Company

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Trade Name: Green Acid Replacement Concrete Remover
Product Use: Concrete & Cement Remover.
Creation Date: August 2015
This version issued: February 2022 and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA. Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

GHS Signal Word:
WARNING

GHS Hazard Pictogram:



Hazard Statement:

H316 May cause mild skin irritation
H320 May cause mild eye irritation

Precautionary Statements:

Prevention:

P280 Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P264 Wash hands and face thoroughly after handling.

Response:

P302+P352 IF ON SKIN, wash with plenty of soap and water.
P321 Specific treatment (refer to First Aid Measures). P332+P313 If skin irritation occurs, get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before re-use.

Storage:

No storage statements.

Disposal:

P501 Dispose of contents / container in accordance with local and national regulations.

Poison Schedule : Not scheduled.

Other hazards which do not result in classification: None known

SAFETY DATA SHEET

Section 3 - Composition/Information on Ingredients

All hazardous substances as defined by the NOHSC code 1008 are listed by chemical name and CAS No. Other ingredients which are determined to be non-hazardous are listed by generic name or as "other ingredients determined not to be hazardous."

CHEMICAL NAME	CAS No.	PROPORTION	TWA (mg/m ³)	STEL (mg/m ³)
Proprietary organic salt complex blend	secret	50-80%	Not Set	Not Set
Other ingredients determined not to be hazardous		to 100%	Not Set	Not Set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA 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 may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated 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.

Section 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: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.

Ingestion: Rinse mouth thoroughly with water immediately. If swallowed, promote vomiting by usual means. Seek immediate medical assistance.

Advice To Doctor: Treat symptomatically.

As with any chemical – ingestion, inhalation, and prolonged or repeated skin contact should be avoided by good occupational work practice.

Section 5 - Fire Fighting Measures

Flammability:	Not flammable or combustible.
Fire/Explosion Hazard:	In case of fire use water, foam, carbon dioxide, dry powder. Wear full body protective clothing with self-contained breathing apparatus (SCBA) and protective gloves.
Flash point:	Does not flash
Upper Flammability Limit:	Does not burn
Lower Flammability Limit:	Does not burn
Autoignition temperature:	No data.
Flammability Class:	Not Flammable

Section 6 - Accidental Release Measures

Spillage & Disposal:	Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination including breathing apparatus. Contain, do not allow spill material to enter the environment. Contain material using inert absorbent material eg. vermiculite. Place into suitable labelled containers and hold for waste disposal. Wash area down with excess water once removed.
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SAFETY DATA SHEET

Section 7 - Handling and Storage

Storage & Transport: Store in a cool place and out of direct sunlight. Keep container sealed when not in use. Store locked up and out of reach of children. Only store in the original container as supplied by the manufacturer. Use only plastic (PE, PP, PVC) or fiberglass containers / vessels. Store separate to strong alkalis. Store away from incompatible materials including oxidizing agents, reducing agents, aluminium, zinc and tin.

Handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact. Observe good personal hygiene, including washing hands before eating.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits **TWA (mg/m³)** **STEL (mg/m³)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

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.

Engineering Controls: Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: We suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC, but test suitable types before using in conjunction with this product.

Respirator: Usually, no respirator is necessary when using this product. If used in confined spaces, select and use respirators in accordance with AS/NZS 1715/1716. The use of half-face P1 (dust/mist) respirator with replaceable filters is recommended. However, if you have any doubts consult the Australian Standard mentioned above.

Always wash hands before smoking, eating, drinking or using the toilet.

Section 9 - Physical and Chemical Properties:

Appearance	Clear to pale yellow liquid	Solubility (Water)	Completely Soluble
Odour	Mild Odour	Specific Gravity	1.21
pH	<2.0 (5% solution)	% Volatiles	NOT AVAILABLE
Viscosity	16 cps	Flammability	Not Flammable
Freezing Point	-34°C	Melting Point	NOT AVAILABLE
Shelf Life	360 days	Lower Explosion Limit	Not Relevant

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal conditions of use. Shelf life 360 days from date of manufacture.

Conditions to Avoid: High temperatures and incompatibilities.

Incompatibilities: Strong alkalis and oxidizing agents.

Hazardous Decomposes on heating emitting poisonous and corrosive gases of ammonia and

Decomposition Products: Hydrogen fluoride.

Hazardous Reactions: Toxic fumes of hydrogen chloride may be released in involved in a fire. Fire-fighters are to wear self-contained breathing apparatus and full protective clothing due to chlorine gas risk.

SAFETY DATA SHEET

Section 11 - Toxicological Information

Chronic Effects	Repeated or prolonged skin contact may lead to irritant contact dermatitis.
Mutagenicity	This product was found NOT to be mutagenic when tested by the AMES assay (OECD Guidelines for Testing of Chemicals, Sec. 471).
Acute: Oral toxicity:	LD50 rat: Not available
Dermal toxicity:	LD50 rabbit: Not available
Inhalation toxicity:	Not available
Skin Irritation	A modified Draize method was used as described in OECD Guidelines for the Testing of Chemicals, Sec. 404, Paris 1981 (revised 1992). This study complies with the requirements of OECD principles of GLP, Annex 2, Paris 1981, revised as of July 1992. This material received a Primary irritation score of 2 =/1 0.9 and is classified as a 'Mild Irritant'.
Eye irritation:	Mild irritant
Sensitisation:	Not available
Chronic:	Chronic effects are not expected to occur with this product.

Section 12 - Ecological Information

Environment:	This product is not expected to be hazardous to the environment. This product is readily biodegradable.
Biodegradation Test:	The COD is 3500 mg/L. This test method was Hach's Reactor Digestion Method for Waste water and Sea Water. The Hach Reactor Digestion Method is a semi micro-adaption of the Standard Methods. (For comparisons, organic acids, surfactants, and glycol ethers will typically have COD's in the range of 1,000,000 – 2,000,000 mg/L). The BOD is 500mg/L after 5 days and 600mg/L at 10 days. The test method used was part 507 Oxygen Demand (Biochemical) of the Standards Methods for Examination of Water and Waste water, 1985, 16 th Ed. This product is readily biodegradable.

Section 13 - Disposal Considerations

Disposal:	Dispose of in accordance with all local, state and federal regulations.
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Section 14 - Transport Information

ADG Code:	This product is NOT classified as a Dangerous Good according to the ADG Code. No special transport conditions are necessary unless required by other regulations.
UN Number:	None Allocated
Dangerous Goods Class and Subsidiary Risk:	None Allocated
Proper Shipping Name:	None Allocated
Hazchem Code:	None Allocated
Poisons Schedule No:	None Allocated
Use:	Concrete & Cement Remover.

Section 15 - Regulatory Information

All of the significant ingredients in this formulation are compliant with regulations. In accordance with California Proposition 65, no chemicals in this product are known to cause cancer, birth defects or any other harm.

Poisons Schedule:	None Scheduled
AICS (Australia)	All components of this material are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

SAFETY DATA SHEET

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature. 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
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
SWA	Safe Work Australia, formally ASCC and NOHSC
R-Phrase	Risk Phrase
S-Phrase	Safety Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

THIS MSDS 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 MUST VIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

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Please read all labels carefully before using product.

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