

Updated date:
July 2022

SAFETY DATA SHEET

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SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

GHS IDENTIFIER	GREEN ADDICT – DESCALIERE
PRODUCT (MATERIAL) NAME	
OTHER NAMES	
PROPER SHIPPING NAME	
RECOMMENDED USE	NATURAL SCALE AND CALCIUM REMOVER
SUPPLIER NAME/ADDRESS	BYGREEN, 7 Flinders Parade, North Lakes, QLD 4509
TELEPHONE N°.	+61-(0) 7-3888-0566 Hours: 0800-1600 Monday-Friday
EMERGENCY PHONE N°.	000

SECTION 2 - HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION OF SUBSTANCE /MIXTURE	Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; Based on available information, not classified as hazardous according to Safe Work Australia; NON-HAZARDOUS SUBSTANCE.
SUSMP SCHEDULE	NOT SCHEDULED
HAZARD CATEGORY	NONE
PICTOGRAMS	NIL
SIGNAL WORD	NONE
HAZARD STATEMENTS	NONE
PRECAUTIONARY STATEMENTS	
GENERAL	P101 If medical advice is needed, have product container or label at hand P103 Read label before use
PREVENTION	P261 Avoid breathing spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ eye protection/ face protection.
RESPONSE	P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/ physician. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse.
STORAGE	P410 + 412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122 °F.
DISPOSAL	P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**MIXTURE**

CHEMICAL IDENTITY OF INGREDIENTS	CAS NUMBER(S) FOR INGREDIENTS	PROPORTION OF INGREDIENTS	HAZARD CODES
Citric acid	77-92-9	1-10%	H315 H319 H335
All ingredients are classified as non-hazardous at the concentrations used according to the criteria of Safe Work Australia	Not applicable		NONE

If the sum of ingredients is less than 100%, the material consists of further ingredients determined not to be hazardous as listed in HCIS.

SECTION 4 - FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone AU 131 126; NZ 0800 764 766) or a doctor.

INGESTION

If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.

SKIN CONTACT

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing and thoroughly clean shoes before reuse.

INHALATION

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

MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED**ADVICE TO DOCTOR**

Treat symptomatically

SECTION 5 - FIRE FIGHTING MEASURES**SUITABLE EXTINGUISHING MEDIA**

Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder)

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited. On burning will emit toxic fumes, including those of oxides of carbon.

SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**EMERGENCY PROCEDURES / ENVIRONMENTAL PRECAUTIONS**

If contamination of sewers or waterways has occurred advise local emergency services.

PERSONAL PRECAUTIONS / PROTECTIVE EQUIPMENT / METHODS AND MATERIALS FOR CONTAINMENT & CLEANING UP

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING Avoid skin and eye contact and breathing in vapour, mists and aerosols.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES Store in a cool, dry, well ventilated place and out of direct sunlight. Store below 30°C. Protect from freezing. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS No value assigned for this specific material by SAFEWORK Australia.

APPROPRIATE ENGINEERING CONTROLS Use in well ventilated areas. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapour/particulate respirator. Keep containers closed when not in use.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE) The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.



Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. If determined by a risk assessment an inhalation risk exists, wear an organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Clear to slightly hazy liquid

FLAMMABILITY Not flammable

PH ~3

MELTING POINT 0°C

BOILING POINT 100°C

FLASH POINT Not applicable

VAPOUR PRESSURE Unknown

VOLATILES Not stated

VAPOUR DENSITY Similar to water

FLAMMABILITY LIMITS Unknown

SPECIFIC GRAVITY 1.00

SOLUBILITY IN WATER Soluble

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY Stable under normal conditions

POSSIBILITY OF HAZARDOUS REACTIONS Hazardous polymerisation will not occur.

CONDITIONS TO AVOID Avoid exposure to heat, sources of ignition, and open flame.

INCOMPATIBLE MATERIALS Incompatible with strong oxidising agents and water-reactive substances.

HAZARDOUS DECOMPOSITION PRODUCTS Oxides of carbon.

HAZARDOUS REACTIONS Oxidising agents (Class 5)

SECTION 11 - TOXICOLOGICAL INFORMATION

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

SYMPTOMS OF EXPOSURE

SWALLOWED	Not considered a hazard
EYE	May be irritant
SKIN	Not considered a hazard, however extended exposure may result in some irritation
INHALATION	Inhalation of mists and aerosols may produce respiratory irritation and could result in headaches, dizziness and possible nausea.

ACUTE

ACUTE TOXICITY ESTIMATE >10000MG/KG	Not expected to be toxic
SKIN CORROSION/IRRITATION	Not expected to be an irritant.
SERIOUS EYE DAMAGE/IRRITATION	Not expected to be an irritant.
RESPIRATORY OR SKIN SENSITISATION	Not expected to be a sensitiser.
GERM CELL MUTAGENICITY	Not expected to be mutagenic.
CARCINOGENICITY	Not expected to be carcinogenic.
REPRODUCTIVE TOXICITY	Not expected to impair fertility.
SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE	No information available.
SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE	No information available.
ASPIRATION HAZARD	Not expected to be a hazard.

ADDITIONAL INFORMATION**AGGRAVATED MEDICAL CONDITIONS CAUSED BY EXPOSURE**

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY	Avoid contaminating waterways.
ACUTE TOXICITY:	FISH- Data not available
	AQUATIC INVERTEBRATE – Data not available
	ALGAE – Data not available
	MICROORGANISMS – Data not available
CHRONIC TOXICITY:	FISH – Data not available
	AQUATIC INVERTEBRATE – Data not available
	ALGAE – Data not available
	MICROORGANISMS – Data not available
PERSISTENCE AND DEGRADABILITY	Product is likely to be biodegradable, as >95% ingredients are vegetable based.
MOBILITY	No data available.
ADDITIONAL INFORMATION	
ENVIRONMENTAL FATE (EXPOSURE)	No data available.
BIOACCUMULATIVE POTENTIAL	No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHODS AND CONTAINERS	Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site.
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SECTION 14 - TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

UN NUMBER	Not applicable
UN PROPER SHIPPING NAME	Not applicable
CLASS AND SUBSIDIARY RISK	Not applicable
PACKING GROUP	Not applicable
SPECIAL PRECAUTIONS FOR USER	Not applicable
HAZCHEM CODE	Not applicable

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

SECTION 15 - REGULATORY INFORMATION

CLASSIFICATION: Based on available information, not classified as hazardous according to Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE: NONE

HAZARD STATEMENT(S): NIL

POISONS SCHEDULE (SUSMP): NOT SCHEDULED

AICS All ingredients are on the Australian Inventory of Chemical Substances

ADDITIONAL INFORMATION

ADDITIONAL NATIONAL AND/OR INTERNATIONAL REGULATORY INFORMATION.

SECTION 16 - OTHER INFORMATION

CONTACT PERSON/POINT	FOR EMERGENCIES ONLY CONTACT	AU	000
	POISONS INFORMATION CENTRE	AU	131126
		NZ	0800 764 766

DATE OF PREPARATION OR LAST REVISION OF THE SDS 19 JULY 2022

PREPARED BY SDS Manager

ADDITIONAL INFORMATION

Key/legend to abbreviations and acronyms used in the SDS.

ADG	Australian Code for the Transport of Dangerous Goods by Road and Rail
ACGIH	American Conference of Governmental Industrial Hygienists
ASCC	Australian Safety and Compensation Council
ATE	Acute Toxicity Estimates
BEI®	Biological exposure indices (BEI) are values used for guidance to assess biological monitoring results. With respect to chemical exposure, biological monitoring is the measurement of the concentration of a chemical marker in a human biological media that indicates exposure. They are not developed for use as legal standards.

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CARCINOGEN CATEGORY NUMBER	<ol style="list-style-type: none">1. Established human carcinogen2. Probably human carcinogen3. Substances suspected of having carcinogenic potential
CODE AICS	Australian Inventory of Chemical Substances
CAS NUMBER	Chemical Abstracts Service Registry Number
EPG	Emergency Procedure Guide (superseded by IERG)
HAZCHEM CODE	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HCIS	<p>The Hazardous Chemical Information System (HCIS) is a database of information on chemicals that have been classified in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).</p> <p>HCIS replaces the previous Hazardous Substance Information System (HSIS).</p>
HSIS	HSIS is a database of information on substances classified in accordance with Australia's previous hazardous substance classification system, the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)].
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IERG	HB 76-2004 Dangerous goods - Initial Emergency Response Guide
IMDG	International Maritime Dangerous Goods. A uniform code for transport of dangerous goods at sea.
LEL	lower flammable (explosive) limits in air;
LD₅₀	Lethal Dose sufficient to kill 50% of test population
NIOSH	National Institute for Occupational Safety and Health The United States federal agency responsible for conducting research and making recommendations for the prevention of work-related injury and illness.
NOAEL	No Observed Adverse Effect Level
NOEL	No Observable Effect Level
NOHSC	National Occupational Health and Safety Commission
NTP	National Toxicology Program (USA)
PEL	Permissible Exposure Limit
RTECS	Registry of Toxic Effects of Chemical Substances (Symyx Technologies')
TCL_o	Toxic Concentration Low
TD₁₀	Toxic Dose Low : lowest dosage per unit of bodyweight (typically stated in milligrams per kilogram) of a substance known to have produced signs of toxicity in a particular animal species.
TLV	Threshold Limit Value (ACGIH):The time weighted average used to describe exposure which is harmless to most of the population when exposed 8 hours per day, 40 hours per week.
TWA	<p>(Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.</p> <p>These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.</p>
SAFEWORK	Independent statutory agency with primary responsibility to improve occupational health and safety and workers' compensation arrangements across Australia.

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STEL	(Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UEL	upper flammable (explosive) limits in air;
UN NUMBER	United Nations Number
VOC	Volatile Organic Content - defined as : 'any chemical compound based on carbon chains or rings with a vapour pressure greater than 0.1mm of mercury (Hg) or 0.0135Kpa at 25°C. This definition excludes reactive diluents, which are designed to be chemically bound into the cured film. It also includes all constituents >0.5% by volume of formulation, which are organic compounds with a boiling point < 250°C.'

LITERATURE REFERENCES.

SOURCES FOR DATA.

Safety Data Sheets from Suppliers
Hazardous Chemical Information System (HCIS) - ASCC Australia (on-line)
GHS (Globally Harmonised System of Substance Classification & Labelling)
REACH (European Chemical Substance Information System)
ADG Code Ed 7.7
SUSMP N°34

DISCLAIMER

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since BYGREEN cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact BYGREEN at the contact details on page 1. BYGREEN's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request. BYGREEN however, makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof and assumes no responsibility for injury to buyer or third persons or for any damage to property, Buyer assumes all risks.

END OF SDS