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# SAFETY DATA SHEET

REF:EBC GHS SDS Page 1 of 9

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

GHS IDENTIFIER	<b><u>ENVIRO BIO CLEANER</u></b>		
PRODUCT (MATERIAL) NAME			
PROPER SHIPPING NAME			
RECOMMENDED USE	General purpose cleaning degreaser concentrate		
AUSTRALIAN DISTRIBUTOR NAME/ADDRESS	Softwash Australia 4/10 Green Glen Road, Ashmore, Qld, 4214		
TELEPHONE NO.	+61-(0) 400210646		
EMERGENCY PHONE NUMBER	000	Hours: 0800-1700	Monday-Friday

## SECTION 2 HAZARDS IDENTIFICATION

**HAZARD CLASSIFICATION OF MIXTURE** 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.**

Classified as hazardous according to criteria of SAFEWORK Australia.

**SUSMP SCHEDULE** 5 CAUTION

**HAZARD CATEGORY** Skin Corrosion/Irritation - Category 1  
Eye Damage – Category 1  
Hazardous to the Aquatic Environment – Category 3

**SIGNAL WORD** DANGER

**PICTOGRAMS**

**HAZARD STATEMENTS** H290 May be corrosive to metals  
H302 Harmful if swallowed  
H314 Causes severe skin and eye damage.  
H335 May cause respiratory irritation.  
H402 Harmful to aquatic life

### PRECAUTIONARY STATEMENTS

**GENERAL** P101 If medical advice is needed, have product container or label at hand  
P102 Keep out of reach of children  
P103 Read label before use

**PREVENTION** P262 Do not get in eyes, on skin, or on clothing.  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P261 Avoid breathing fume/mist/spray.

<b>RESPONSE</b>	<p>P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P362 Take off contaminated clothing and wash before reuse.</p> <p>P391 Collect spillage.</p>
<b>STORAGE</b>	P405 Store locked up.
<b>DISPOSAL</b>	P501 Dispose of contents/container in accordance with local and national regulations.

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### MIXTURE

Chemical identity of ingredients	CAS Number(s) for ingredients	Proportion of ingredients	Hazard Codes
Silicic Acid	1344-09-8	<10%	H314; H335
C6-C12 Ethoxylated Alcohols	68439-45-2	<10%	H302; H315; H318
Trade Secret	Secret	<10%	H290; H302; H314

If the sum of ingredients is less than 100%, the material consists of further ingredients determined not to be hazardous or below their cut-off limits as listed in HCIS.

### SECTION 4 FIRST AID MEASURES

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

Ingestion:	For advice, contact a Poisons Information Centre (Phone Australia 131126; New Zealand 03 4747000) or a doctor at once. If swallowed, do NOT induce vomiting.
Eye Contact:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or a doctor, or for at least 15 minutes.
Skin Contact:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre, or a doctor.
Inhalation:	Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if subject not breathing.

Medical attention or special treatment required

**ADVICE TO DOCTOR.** Treat symptomatically, ingestion of alkaline substance.

### SECTION 5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Not combustible, however, if material is involved in a fire use: Normal foam, dry agent (carbon dioxide, dry chemical powder).
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**HAZARDS FROM COMBUSTION PRODUCTS**

Non-combustible material.

**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 products of decomposition.

**SECTION 6 ACCIDENTAL RELEASE MEASURES****EMERGENCY PROCEDURES / ENVIRONMENTAL RECAUTIONS:**

Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

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

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. 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**

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

**PRECAUTIONS FOR SAFE HANDLING**

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

Store in a cool, dry, well ventilated place. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Protect from freezing. Keep containers closed when not in use - check regularly for spills.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION****CONTROL PARAMETERS:**

No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for disodium metasilicate skin (human) 250mg/24hrs/ severe.

**APPROPRIATE ENGINEERING CONTROLS:**

Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Keep containers closed when not in use. If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

**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, CHEMICAL GOGGLES, GLOVES



Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dusts. If determined by a risk assessment an inhalation risk exists, wear a dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Clear to cloudy liquid
<u>Flammability:</u>	product is <b>not</b> flammable
<u>Melting Point:</u>	NA
<u>Boiling Point:</u>	100°C
<u>Flash Point:</u>	NA
<u>Vapour Pressure:</u>	unknown
<u>Vapour Density:</u>	unknown
<u>pH</u>	12-13
<u>Specific Gravity:</u>	1.02-1.05 @ 20°C
<u>Solubility in water</u>	Infinitely dilutable

## SECTION 10 STABILITY AND REACTIVITY

Chemical Reactivity	Stable under normal conditions of use.
Chemical stability	Stable under normal conditions of use.
Conditions to avoid	No additional remark.
Incompatible materials	Oxidising agents (Class 5), strong acids (Class 8).
Hazardous decomposition products	Oxides of carbon (CO <sub>x</sub> ) and corrosive sodium oxide vapours may be generated.
Hazardous reactions	No dangerous reaction known under conditions of normal use.

## 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:	Ingestion of large amounts may result in abdominal pain, nausea or vomiting, irritation of the gastrointestinal tract.
Eye:	A moderate to severe irritant, causing pain, redness, and tearing.
Skin:	Irritant to the skin. However repeated or prolonged contact may result in irritation or dermatitis in some individuals.
Inhalation:	Vapour is irritant to mucous membranes and respiratory tract.

Acute toxicity: Oral (rat) LD <sub>50</sub> : >5000 mg/kg	
Skin corrosion/irritation:	Skin Corrosive/Irritant; Category 1
Serious eye damage/irritation:	Serious Eye Damage ; Category 1
Respiratory or skin sensitisation:	Expected to be a skin sensitiser. Cat1
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:	Skin Irritant Category 1
Specific Target Organ Toxicity (STOT) – repeated exposure:	No data
Aspiration hazard:	May cause respiratory irritation

## SECTION 12 ECOLOGICAL INFORMATION

**ECOTOXICITY** For Surfactants: Kow cannot be easily determined due to hydrophilic/hydrophobic properties of the molecules in surfactants. BCF value: 1-350.  
 Aquatic Fate: Surfactants tend to accumulate at the interface of the air with water and are not extracted into one or the other liquid phases.  
 Terrestrial Fate: Anionic surfactants are not appreciably sorbed by inorganic solids.

Acute toxicity:	Fish –	Toxic: 10 < LC/EC/IC50 <= 100mg/l
	Aquatic invertebrate –	Toxic: 10 < LC50 <= 100mg/l
	Toxicity threshold (8 days) for freshwater algae:	Toxic: 10 < LC50 <= 100mg/l
	Microorganisms –	Toxic: 10 < LC50 <= 100mg/l

Chronic toxicity:	Fish –	Data not available
	Aquatic invertebrate –	Data not available
	Algae –	Data not available
	Microorganisms –	Data not available

**PERSISTENCE AND DEGRADABILITY** Surfactants present are biodegradable to AS4351, an Australian Standard regarding the biodegradability of a product. Its purpose is to ensure that products are biodegradable and eco-friendly by requiring that products be tested by certified testing laboratories that at least 70% of the total ingredients used to make the product can readily biodegrade in 28 days.

**MOBILITY** Mobile, as product is water miscible

**OTHER ADVERSE EFFECTS** Data not available.

**BIOACCUMULATIVE POTENTIAL** Not expected to bioaccumulate

**ADDITIONAL INFORMATION**

ENVIRONMENTAL FATE (EXPOSURE)	Do NOT let product reach waterways, drains and sewers.
BIOACCUMULATIVE POTENTIAL	No information available on bioaccumulation for this product.

**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:	Classified as hazardous according to criteria of SAFEWORK Australia.
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:	Serious Eye Damage/Irritation - Category 1 Skin Corrosion/Irritation - Category 1
HAZARD STATEMENT(S):	H290 May be corrosive to metals H302 Harmful if swallowed H314 Causes severe skin and eye damage. H335 May cause respiratory irritation. H402 Harmful to aquatic life
POISONS SCHEDULE (SUSMP):	5 CAUTION
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 : Australia : 000
	POISONS INFORMATION CENTRE : Australia 131126
	: New Zealand 0800 764 766
Date of preparation or last revision of the SDS	21 September 2020
Prepared by	SDS Manager
<i>Additional information</i>	
<i>Key/legend to abbreviations and acronyms used in the SDS.</i>	
<b>ADG</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ASCC</b>	Australian Safety and Compensation Council
<b>ATE</b>	Acute Toxicity Estimates
<b>BEI®</b>	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.
<b>Carcinogen Category Number</b>	<ol style="list-style-type: none"> <li>1. Established human carcinogen</li> <li>2. Probably human carcinogen</li> <li>3. Substances suspected of having carcinogenic potential</li> </ol>
<b>Code AICS</b>	Australian Inventory of Chemical Substances
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>EPG</b>	Emergency Procedure Guide ( superseded by IERG)
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>HCIS</b>	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). HCIS replaces the previous Hazardous Substance Information System (HSIS).
<b>HSIS</b>	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)].
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IERG</b>	HB 76-2004 Dangerous goods - Initial Emergency Response Guide
<b>IMDG</b>	International Maritime Dangerous Goods. A uniform code for transport of dangerous goods at sea.
<b>LEL</b>	lower flammable (explosive) limits in air;
<b>LD<sub>50</sub></b>	Lethal Dose sufficient to kill 50% of test population
<b>NIOSH</b>	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.

<b>NOAEL</b>	No Observed Adverse Effect Level
<b>NOEL</b>	No Observable Effect Level
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>NTP</b>	National Toxicology Program (USA)
<b>PEAK LIMITATION</b>	Peak limitation means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.
<b>PEL</b>	Permissible Exposure Limit
<b>RTECS</b>	Registry of Toxic Effects of Chemical Substances (Symyx Technologies')
<b>TCLo</b>	Toxic Concentration Low
<b>TDLo</b>	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.
<b>TLV</b>	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.
<b>TWA</b>	(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. 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.
<b>SAFEWORK</b>	Independent statutory agency with primary responsibility to improve occupational health and safety and workers' compensation arrangements across Australia.
<b>STEL</b>	(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.
<b>SUSDP</b>	Standard for the Uniform Scheduling of Drugs & Poisons
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UEL</b>	upper flammable (explosive) limits in air;
<b>UN Number</b>	United Nations Number
<b>VOC</b>	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.*

<i>Sources for data.</i>	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° 30



**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 CHEMISTRY HOUSE Pty Ltd 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 CHEMISTRY HOUSE Pty Ltd at the contact details on page 1. CHEMISTRY HOUSE Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request. CHEMISTRY HOUSE Pty Ltd 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.

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