



# SAFETY DATA SHEET

## BIOSAN

Date of Issue: March 2022

Version #2.0

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### SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION


<b>Trade Name:</b>	<b>BIOSAN</b>		
<b>SUPPLIER:</b>	North Queensland Chemicals & Paints		
<b>ADDRESS:</b>	6 – 8 Industrial Street, Mackay, Queensland, 4740		
<b>TELEPHONE:</b>	(07) 4951 3988	<b>FAX:</b>	(07) 4951 1862
<b>EMERGENCY PHONE:</b>	13 1126 in Australia	<b>Email:</b>	<a href="mailto:nqcp@nqcp.com.au">nqcp@nqcp.com.au</a>
<b>Substance:</b>	Powder	<b>Product Use:</b>	Detergent
<b>Creation Date:</b>	March 2022	<b>Revision Date:</b>	March 2027

### SECTION 2 – HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

<b>Poisons Schedule</b>	S5 (sodium percarbonate)
<b>Dangerous Goods</b>	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail"
<b>GHS Classification</b>	Based on available information, this material is classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS7) including Work, Health and Safety regulations, Australia. <ul style="list-style-type: none"> <li>• <b>Serious Eye Damage/Irritation Category 1</b></li> <li>• <b>Skin Irritation Category 2</b></li> <li>• <b>Specific Target Organ Toxicity Category 3</b></li> <li>• <b>Acute Aquatic Toxicity – Category 3</b></li> </ul>

#### Label elements

<b>GHS label pictograms</b>	 GHS05
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<b>Signal word</b>	<b>DANGER</b>
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#### Hazard statement(s)

<b>H318</b>	Causes serious eye damage.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H402</b>	Harmful to aquatic life.

#### Precautionary statement(s): General

<b>P102</b>	Keep out of reach of children.
<b>P103</b>	Read label before use.

#### Precautionary statement(s): Prevention

<b>P264</b>	Wash hands and skin thoroughly after handling.
<b>P280</b>	Wear eye protection/face protection and protective gloves.
<b>P261</b>	Avoid breathing dust/fume/ gas/mist/ vapours/spray.
<b>P271</b>	Use only outdoors or in a well-ventilated area.
<b>P273</b>	Avoid release to the environment.

#### Precautionary statement(s): Response

<b>P305 + P351 + P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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<b>P310</b>	Immediately call a POISON CENTER/doctor/...
<b>P302+P352</b>	IF ON SKIN: Wash with plenty of water and soap.
<b>P321</b>	Specific treatment (use a skin moisturiser).
<b>P332+P313</b>	If skin irritation occurs: Get medical advice/attention.
<b>P304 + P340</b>	IF INHALED: remove person to fresh air and keep comfortable for breathing.
<b>P312</b>	Call a POISON CENTER/doctor/...if you feel unwell.
<b>P362 +P364</b>	Take off contaminated clothing and wash it before reuse.
<b>Precautionary statement(s): Storage</b>	
<b>P403+P233</b>	Store in a well-ventilated place. Keep container tightly closed.
<b>P405</b>	Store locked up.
<b>Precautionary statement(s): Disposal</b>	
<b>P501</b>	Dispose of contents/ container in accordance with local regulations.
<b>Note</b>	
<b>IMPORTANT</b>	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:50 or greater with water, they no longer apply, as the product becomes classified as non-hazardous. However, good hygiene and housekeeping practices should be adhered to.

### SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Disodium metasilicate	6834-92-0	< 10% w/w
Sodium carbonate	497-19-8	30 - 60 % w/w
Sodium Percarbonate	15630-89-4	10 – 30 % w/w
Ingredients determined to be non-hazardous at concentrations present	various	To 100 % w/w

NOTE: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances", or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS77). Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.

### SECTION 4 – FIRST AID MEASURES

<b>Inhalation</b>	Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur.
<b>Skin contact</b>	Rinse with plenty of water. Seek medical advice (e.g. doctor) if irritation, burning or redness persists.
<b>Eye contact</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Immediately call a POISON CENTER/doctor/....
<b>Ingestion</b>	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Scheduled Poisons</b>	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
<b>First Aid Facilities</b>	Normal washroom facilities.



### SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Non flammable solid. May intensify fire.
<b>Extinguishing Media</b>	Use an extinguishing media suitable for surrounding fires. Quantities of water.
<b>Fire Fighting</b>	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition.
<b>Flash Point</b>	None



### SECTION 6 – ACCIDENTAL RELEASE MEASURES



<b>Emergency Procedures</b>	Minor spills do not normally need any special clean-up measures – rinse with water. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.
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### SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers.
<b>Storage</b>	Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials.

### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits</b>	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: <b>Time-weighted Average (TWA):</b> None established for product. <b>Short Term Exposure Limit (STEL):</b> None established for product.
<b>Ventilation</b>	This substance is hazardous and should be used with a local exhaust ventilation system, drawing any generated dusts away from workers' breathing zone.
<b>Personal Protective Equipment</b>	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;
<b>Eye Protection</b> 	Safety glasses should be used for handling concentrate in quantity, cleaning up spills, decanting, etc. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
<b>Hand Protection</b> 	Subject to risk assessment – generally not required for typical applications as per label directions. Wear gloves of impervious material such as butyl rubber, natural latex, neoprene, PVC and nitrile – to handle in quantity, clean up spills, decanting, etc. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

<b>Body Protection</b>  	Subject to risk assessment – generally not required for typical applications as per label directions.
<b>Respirator</b>	Subject to risk assessment – generally not required for typical applications as per label directions. If engineering controls are not effective in controlling airborne exposure then an approved dust mask or respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Uniform powder	<b>Colour</b>	White
<b>Odour</b>	Characteristic odour	<b>Specific Gravity</b>	Not available
<b>Boiling Point</b>	Not available	<b>Freezing Point</b>	Not available
<b>Vapour Pressure</b>	Not available	<b>Vapour Density</b>	Not available
<b>Flash Point</b>	Not flammable	<b>Flammable Limits</b>	none
<b>Water Solubility</b>	Miscible in all proportions	<b>pH</b>	10.5 - 12.5 @ 1%
<b>Volatile Organic Compounds (VOC)</b>	<1 % v/v	<b>Per Cent Volatile</b>	~10 % v/v
<b>Viscosity</b>	Not available	<b>Odour Threshold</b>	Not available

### SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable at normal temperatures and pressure.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatibilities</b>	Reducing agents, oxidizing agents.
<b>Hazardous Decomposition</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes.

### SECTION 11 – TOXICOLOGICAL INFORMATION

<b>POTENTIAL HEALTH EFFECTS</b>	
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:	
<b>Inhalation</b>	Dusts of this product containing alkali are irritant to the respiratory system.
<b>Skin contact</b>	Expected to be irritating to skin.
<b>Eye contact</b>	Concentrated product causes eye irritation. Eye contact with concentrate will cause stinging, blurring, tearing. Contact with concentrated product may cause serious eye damage.
<b>Ingestion</b>	Swallowing can result in nausea, vomiting of blood and eroded tissue; chemical burns of the mouth, throat & abdomen; perforation of the gastrointestinal tract.
<b>Chronic exposure</b>	No known effects.
<b>Toxicology Information</b>	Not toxic, based on ingredients. Oral LD50 (ATE calculated): >3,000 mg/kg (body weight)
<b>Carcinogen Status</b>	
<b>NOHSC</b>	No significant ingredient is classified as carcinogenic by NOHSC.
<b>NTP</b>	No significant ingredient is classified as carcinogenic by NTP.
<b>IARC</b>	No significant ingredient is classified as carcinogenic by IARC.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitizer.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitizer.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction.

<b>STOT-single exposure</b>	Specific Target Organ Toxicity category 3 – respiratory irritant.
<b>STOT-repeated exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	Not expected to be an aspiration hazard.

### SECTION 12 – ECOLOGICAL INFORMATION

<b>Acute Aquatic Toxicity Product (as sold)</b>	Not harmful to aquatic life. (LC50 > 100mg/L). Acute Aquatic Toxicity (ATE Calculated) LC50: 165 mg/L. Acute Aquatic Toxicity NOT HAZARDOUS
<b>Acute Aquatic Toxicity Product (at use dilution 1:100 rinse)</b>	Not harmful to aquatic life. (LC50 > 100mg/L). Acute Aquatic Toxicity (ATE Calculated) LC50: 16500 mg/L. Acute Aquatic Toxicity NOT HAZARDOUS
<b>Persistence and degradability</b>	Readily biodegradable, based on ingredients.
<b>Bio accumulative potential</b>	No bioaccumulation is expected.
<b>Mobility in soil</b>	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
<b>Other adverse effects</b>	Not available
<b>Environmental Protection</b>	Do not discharge this material in (in bulk) into waterways.

### SECTION 13 – DISPOSAL CONSIDERATIONS

	For use as per label instructions in diluted form, this product will be suitably biodegraded by sewage treatment plants, septic and grey water treatment systems. Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.
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### SECTION 14 – TRANSPORT INFORMATION

<b>Labels Required</b>	
<b>ADG</b>	Not classified as Dangerous Goods.
<b>IMDG Marine Pollutant</b>	No
<b>HAZCHEM</b>	None allocated.
<b>Land Transport (ADG)</b>	
<b>UN Number</b>	None allocated.
<b>ADG Code</b>	None allocated.
<b>HAZCHEM Code</b>	None allocated.
<b>Special Provisions</b>	None allocated.
<b>Packing Group</b>	None allocated.
<b>Packaging Method</b>	None allocated.
<b>Segregation</b>	None allocated.

### SECTION 15 – REGULATORY INFORMATION

<b>GHS Classification</b>	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
<b>SUSMP</b>	S5 (sodium percarbonate)
<b>Montreal Protocol: (Ozone depleting substances).</b>	Not applicable.

<b>The Stockholm Convention: (Persistent Organic Pollutants).</b>	Not applicable.
<b>The Rotterdam Convention:(Prior Informed Consent)</b>	Not applicable.
<b>Basel Convention: (Hazardous Waste)</b>	Not applicable.
<b>INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL):</b>	Not applicable.
<b>Poison Schedules:</b>	Not scheduled.
<b>ADG Code</b>	Not DG
<b>AICS</b>	All ingredients present on AICS.

### SECTION 16 – OTHER INFORMATION

<b>Issue Date</b>	23 <sup>rd</sup> March 2022
<b>Version Number</b>	V 2.0 GHS7 classification.
<b>Prepared by:</b>	This Safety Data Sheet has been prepared by Tuwai Specialties on behalf of its client. <a href="mailto:tuwai.wt@bigpond.com">tuwai.wt@bigpond.com</a>
<b>Abbreviations and acronyms</b>	<p><b>ADG Code:</b> Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p><b>AICS:</b> Australian Inventory of Chemical Substances.</p> <p><b>CAS Number:</b> Chemical Abstracts Service Registry Number.</p> <p><b>GHS:</b> Globally Harmonized System of Classification and Labelling of Chemicals</p> <p><b>HAZCHEM:</b> An emergency action code of numbers and letters which gives information to emergency services.</p> <p><b>HSIS:</b> Hazardous Substances Information System</p> <p><b>IARC:</b> International Agency for Research on Cancer.</p> <p><b>NOHSC:</b> National Occupational Health and Safety Commission.</p> <p><b>NTP:</b> National Toxicology Program (USA).</p> <p><b>SDS:</b> Safety Data Sheet</p> <p><b>STEL:</b> Short Term Exposure Limit.</p> <p><b>SUSMP:</b> Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p><b>TWA:</b> Time Weighted Average.</p> <p><b>UN Number:</b> United Nations Number.</p>
<b>Literature references</b>	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice ( Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p> <p>“Australian Exposure Standards”. Safework Australia</p> <p>Australian Code For The Transport Of Dangerous Goods By Road And Rail</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Safety Data Sheets – individual raw materials – Suppliers</p> <p>HCIS Database - Safework Australia</p> <p>ECHA – European Chemicals Agency</p>
<b>Disclaimer</b>	This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.



**NQ CLEANING  
& PAINTS**

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End of SDS