

ECOLOGY by TruNatural

SAFETY DATA SHEET

Ref:SGWASHINGPOWDERCOMMERCIAL.SDS.DOC
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SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

GHS IDENTIFIER	WASHING MACHINE POWDER		
PRODUCT (MATERIAL) NAME			
OTHER NAMES			
PROPER SHIPPING NAME	Not applicable		
RECOMMENDED USE	Laundering medium to heavily soiled laundry using hot or cold water.		
SUPPLIER NAME/ADDRESS	Smart Surface Technologies Pty Ltd 8/14 Activity Crescent Molendinar Queensland 4214		
TELEPHONE NO.	1300 886 008		
EMERGENCY PHONE NUMBER	000	Hours: 0800-1600	Monday-Friday

SECTION 2 HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION OF MIXTURE	Classified as hazardous according to criteria of SAFEWORK Australia. Not classified as dangerous according to criteria of ADG Code
SUSMP SCHEDULE	NOT SCHEDULED
HAZARD CATEGORY	Eye irritation - category 2
PICTOGRAMS	



SIGNAL WORD	GHS 07 WARNING
HAZARD STATEMENTS	H319 Causes serious eye irritation
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	P264 Wash hands thoroughly after handling. P280 Wear protective gloves / protective clothing / eye protection / face protection.
RESPONSE	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
STORAGE	No storage statements.
DISPOSAL	No disposal statements.

SECTION 3 COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

MIXTURE

Chemical identity of ingredients	CAS Number(s) for ingredients	Proportion of ingredients	GHS Classification at concentration present
Alkaline Salts (Sodium Carbonate)	[497-19-8]	30-60%	H319
Silicic acid, disodium salt (Pentahydrate)	[10213-79-3]	5-10%	Below classification threshold
Eucalyptus oil	[8000-48-4]	<1%	Below classification threshold

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.

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.	
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. Seek medical advice if effects persist.
Skin Contact:	If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice
Eye Contact:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

Ingestion:	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Seek medical advice.
Medical attention or special treatment required	
ADVICE TO DOCTOR.	Treat symptomatically

SECTION 5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Not combustible, however, if material is involved in a fire use: Extinguishing media appropriate to surrounding fire conditions.
SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	Non-combustible material.
Special protective equipment and precautions for fire-fighters:	Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.
<i>Additional information</i>	Not classed as flammable under ADG Code.
<i>Hazchem Code</i>	Not Applicable

SECTION 6 ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES / ENVIRONMENTAL PRECAUTIONS:	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:	Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust formation.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Store in a cool, dry, well ventilated place. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:	Unknown for this product as all ingredients used have LD ₅₀ (rat) >2000mg/kg therefore the main risk is as a nuisance dust. For a Mineral Dust TLV; 5mg/m ³ (Respirable): 10mg/m ³ (Total Dust).
BIOLOGICAL LIMIT VALUES 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.
PERSONAL PROTECTION:	Avoid unnecessary contact as good work practice. Wash contaminated clothing and protective equipment before storing and re-use. Wash hands before eating, smoking or using the toilet.
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, DUST MASK.



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

Appearance:	White free flowing powder to fine granule.
Flammability:	NA
Melting Point:	Unknown
Boiling Point:	NA
Vapour Pressure:	unknown
Volatiles:	0.5-10%
Vapour Density	unknown
Flammability Limits	unknown
Specific Gravity:	unknown
Solubility in water	95%
pH 1% solution	10.5-11.0

SECTION 10 STABILITY AND REACTIVITY

Chemical stability	Hygroscopic: absorbs moisture or water from surrounding air.
Possibility of hazardous reactions:	Reacts exothermically with strong acids evolving carbon dioxide .
Conditions to avoid	Avoid dust generation. Avoid exposure to moisture. Avoid exposure to heat.
Incompatible materials	Incompatible with phosphorus pentoxide , acids , aluminium , lead , magnesium , iron , zinc , fluorine . All Acids.
Hazardous decomposition products	Upon combustion oxides of carbon (CO _x)

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:	
sodium carbonate	Lowest Lethal Dose Oral(rat) 4090mg/kg, Human Lethal Dose approx 30g
Silicic acid, disodium salt (Pentahydrate)	LD ₅₀ (Oral, rat) : 847 mg/kg. The toxic effects of this product are caused by the alkalinity and by substance specific systemic effects.
SERIOUS EYE DAMAGE / IRRITATION:	Moderate irritant (rabbit). (Sodium carbonate fraction)
CHRONIC EFFECTS:	Not listed as carcinogenic according to IARC.
SYMPTOMS OF EXPOSURE	
Swallowed:	No adverse effects expected, however, large amounts may cause nausea and vomiting.
Eye:	An eye irritant
Skin:	Contact with skin may result in irritation.
Inhalation:	Breathing in dust may result in respiratory irritation.
ACUTE	
DELAYED	
<i>Additional information</i>	This product contains no phosphate salts
<i>Aggravated medical conditions caused by exposure</i>	

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY	Avoid contaminating waterways.
PERSISTENCE AND DEGRADABILITY	Product utilizes surfactants classed as “ Readily Biodegradable ” and conforms to AS4351.
MOBILITY	No data
<i>ADDITIONAL INFORMATION</i>	
<i>ENVIRONMENTAL FATE (EXPOSURE)</i>	No data

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BIOACCUMULATIVE POTENTIAL	No data
SECTION 13 DISPOSAL CONSIDERATIONS	
DISPOSAL METHODS AND CONTAINERS	Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations.
SPECIAL PRECAUTIONS FOR LANDFILL OR INCINERATION	
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:	This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:	Eye Irritation - Category 2A
HAZARD STATEMENT(S):	H319 Causes serious eye irritation
POISONS SCHEDULE (SUSMP):	NOT SCHEDULED
SUSMP LABEL REQUIREMENTS	
WARNING STATEMENTS	NONE
SAFETY DIRECTIONS	NONE
FIRST AID:	A - For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor. G3 - If swallowed, do NOT induce vomiting. E2 - If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes. S1 - If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
This material is listed on the Australian Inventory of Chemical Substances (AICS).	
<i>Additional national and/or international regulatory information.</i>	
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 MSDS	5 May 2017
Prepared by	Glenn Bowring B App Sc (App Chem)
<i>Additional information</i>	
<i>Key/legend to abbreviations and acronyms used in the MSDS.</i>	
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

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Carcinogen Category Number	<ol style="list-style-type: none"> 1. Established human carcinogen 2. Probably human carcinogen 3. 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
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
TD_{Lo}	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	(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.
SAFEWORK	Independent statutory agency with primary responsibility to improve occupational health and safety and workers' compensation arrangements across Australia.
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
<i>Literature references.</i>	
<i>Sources for data.</i>	Safety Data Sheets from Suppliers Hazardous Substances Information System (HSIS)– ASCC Australia (on-line) GHS (Globally Harmonised System of Substance Classification & Labelling) REACH (European Chemical Substance Information System) ADG Code 7 th Edition SUSMP N° 13

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 Smart Surface Technologies 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 NATURAL CLEANER MANUFACTURING at the contact details on page 1. Smart Surface Technologies 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. Smart Surface Technologies 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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