

ECOLOGY by TruNatural Dishwash

SAFETY DATA SHEET

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SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

GHS IDENTIFIER **ECOLOGY by TruNatural DISHWASH**
PRODUCT (MATERIAL) NAME
OTHER NAMES
PROPER SHIPPING NAME
RECOMMENDED USE An all purpose hand dishwash liquid. Dilution rate at up to 1:250 with 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: 0800-1500 Monday-Friday

SECTION 2 HAZARDS IDENTIFICATION

HAZARD **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.**
CLASSIFICATION OF SUBSTANCE / MIXTURE **Based on available information, not classified as hazardous according to Safe Work Australia; NON-HAZARDOUS SUBSTANCE.**
SUSMP SCHEDULE NOT SCHEDULED
GHS HAZARD CATEGORY NONE
GHS SIGNAL WORD NONE
PICTOGRAMS NONE
HAZARD STATEMENTS NONE
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.
P264 Wash contaminated skin thoroughly after handling
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 P402+404: Store in a dry place. Store in a closed container.
DISPOSAL 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)	Proportion	Classification GHS No1272/2008 at use concentration
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 (Phone Australia 131126; New Zealand 0800 764 766) or a doctor.
Swallowed: If swallowed, do NOT induce vomiting. Give glass of water.
Eye: If in eyes rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Review Date: 20 March 2027

Print Date: 24 March, 2022

Medical attention or special treatment required	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	If contamination of sewers or waterways has occurred advise local emergency services.
/ENVIRONMENTAL PRECAUTIONS:	
PERSONAL PRECAUTIONS	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.
/PROTECTIVE EQUIPMENT	
/METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	
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	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 Safe Work Australia.
BIOLOGICAL LIMIT VALUES	
APPROPRIATE	Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.
ENGINEERING CONTROLS:	
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 GLASSES, GLOVES.
	
	Wear overalls, chemical 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 a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Clear, straw to light tan fluid of medium viscosity, citrus or vanilla fragrance.
Flammability:	Not flammable
Melting Point:	N A
Boiling Point:	100°C
Flash Point:	NA
Vapour Pressure:	unknown
Volatiles:	Not stated
Vapour Density	unknown
Flammability Limits	unknown

Specific Gravity:	1.0-1.05
Solubility in water	soluble
pH as supplied	6.5-8.0

SECTION 10 STABILITY AND REACTIVITY

Chemical Reactivity	Stable under normal conditions of use.
Chemical stability	Stable under normal conditions of use.
Conditions to avoid	Do store in heated areas- keep below 35°C for good shelf life.
Incompatible materials	Oxidising agents (Class 5), or foodstuffs.
Hazardous decomposition products	The product will decompose in a fire giving off toxic gases, being oxides of carbon (CO _x), sulphur (SO _x).
Hazardous reactions	None under normal conditions of 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.
Eye:	May be slightly irritant, may cause tearing.
Skin:	Repeated or prolonged contact may result in irritation in some individuals.
Inhalation:	Vapour (only if heated) may be irritant to mucous membranes and respiratory tract.

Acute toxicity: ATE _{MIX} > 15000mg/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 data
Specific Target Organ Toxicity (STOT) – repeated exposure:	No data
Aspiration hazard:	Not expected to be a hazard.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY	No data. Not expected to be toxic as plant based ingredients biodegrade and not accumulate.
PERSISTENCE AND DEGRADABILITY	Product is likely biodegradable as all ingredients are listed as biodegradable.
MOBILITY	Assessment transport between environmental compartments The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible.
<i>ADDITIONAL INFORMATION</i>	
<i>ENVIRONMENTAL FATE (EXPOSURE)</i>	
<i>BIOACCUMULATIVE POTENTIAL</i>	Will not accumulate – all individual ingredients considered biodegradable.

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
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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: Not classified

HAZARD STATEMENT(S): NONE

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

Date of preparation or last revision of the SDS 15 March 2017

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.

Carcinogen Category Number

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

HCIS 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).

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;

Review Date: 20 March 2027

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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
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.'
<i>Literature references.</i>	
<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 7.5 SUSMP N° 16

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 Smart Surface Technologies Pty Ltd 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.