

PRODUCT NAME: **Palmsoft**

1. IDENTIFICATION OF MATERIAL & SUPPLIER

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SYNONYM(S) Mixture of surfactants in aqueous solution.
USE(S) As a soap.
MSDS DATE: 04 July 2011

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of Worksafe Australia. Non-dangerous goods.

Risk Phrases: R: 38 Irritating to eyes.

Safety Phrases: S: 25 Avoid contact with eyes.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No.	None Allocated	DG Class	None Allocated	Subsidiary Risk(s)	None Allocated
Pkg Group	None Allocated	Hazchem Code	None Allocated	EPG	None Allocated

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	FORMULA	CAS NO.	CONTENT
Mixed surfactants	Not Available	Not Available	10-30%
Glycerol	Not Available	[56-81-5]	← 10 %
Other ingredients deemed not to be hazardous	Not Available	Not Available	← 10 %
WATER	H2O	[7732-18-5]	to 100 %

4. FIRST AID MEASURES

EYE If in eyes wash out immediately with water.

INHALATION Remove from exposure.

SKIN If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water

INGESTION If swallowed, do NOT induce vomiting. Give a glass of water

ADVICE TO DOCTOR Product is a mixture of surfactants in aqueous solution. If swallowed, vomiting should not have been induced because of risk of aspiration into the lungs. Irritating to eyes. Contact Poisons Information Centre.

FIRST AID FACILITIES Recommended: Eye wash. Hand wash basin.

5. FIRE FIGHTING MEASURES

EXTINGUISHING	Water
HAZCHEM CODE	None Assigned

6. ACCIDENTAL RELEASE MEASURES

SPILLAGE	<p>For large spills: Contain spillage using sand or earth. Transfer liquid and solids to suitable container. Treat residues as small spillage.</p> <p>For small spills: If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to suitable container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.</p>
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7. STORAGE AND HANDLING

STORAGE	Store in a cool, well-ventilated place, out of reach of children. Large quantities should be stored in a bunded area. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.
HANDLING	Avoid contact with eyes. Keep away from oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL EQUIPMENT

EXPOSURE STANDARDS	<p>ES-TWA: Glycerol 10 mg/m³ as mist.</p> <p>ES-STEL: None assigned.</p> <p>ES-PEAK: None assigned. Notations: None.</p>
BIOLOGICAL LIMIT VALUES	No data
ENGINEERING CONTROLS	Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities or if vapour/aerosol risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible, and at least below the TLV.
PPE	<p>Avoid contact with skin and eyes. Do not breathe aerosols. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Normal Use:</p> <p>Eye/face protection, gloves: rubber or plastic.</p> <p>Industrial Quantities:</p> <p>None assigned. Water.</p> <p>No.</p> <p>Section 6: Accidental Release Measures</p> <p>Section 7: Handling and Storage</p> <p>Section 8: Exposure Controls/Personal Protection</p> <p>Face shield or safety glasses, gloves: rubber or plastic, plastic apron, sleeves and boots</p> <p>Impervious overalls.</p>

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Pale yellow, viscous liquid.	SOLUBILITY (WATER):	Miscible with water in all proportions.
ODOUR:	Mild, soapy smell.	SPECIFIC GRAVITY:	About 1 g/mL @ 20 °C
pH:	About neutral	% VOLATILES:	About 76 %
VAPOUR PRESSURE:	About 23 hPa @ 20 °C	FLAMMIBILITY:	None
VAPOUR DENSITY:	No data.	FLASH POINT:	None
BOILING POINT:	→ 100 °C	UPPER EXPLOSION LIMIT:	Not Relevant
MELTING POINT:	No data.	LOWER EXPLOSION LIMIT:	Not Relevant
EVAPORATION RATE:	No data.	AUTOIGNITION:	Not Available
DENSITY:	No Data		

10. STABILITY & REACTIVITY

MATERIAL TO AVOID:	Oxidising agents.
DECOMPOSITION:	Oxides of nitrogen, oxides of sulphur.

11. TOXICOLOGICAL INFORMATION

EYE	Irritating to eyes. Splashes of the concentrate into the eyes may cause redness, irritation and pain.
INHALATION	An unlikely route owing to the low volatility of ingredients. Aspiration of froth into the lungs during swallowing or vomiting may lead to chemical pneumonitis (irritation of lung tissues) and pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed.
SKIN	Will have a degreasing effect on the skin. Prolonged contact may cause mild irritation.
INGESTION	Likely to cause gastric upset, nausea, discomfort or pain, vomiting and diarrhoea. An aspiration risk.
TOXICITY DATA	LD50: Surfactant #1 → 2,000 mg/kg oral, rat. Surfactant #2 2,000 mg/kg oral, rat.

12. ECOLOGICAL INFORMATION

ENVIRONMENT	Ecotoxicity: Local concentrations may be harmful to aquatic organisms, including fish. Persistence and degradability: The surfactants used in this product are considered to be readily biodegradable. Mobility: Readily transported by water. Environmental Fate: Expected to biodegrade over time. Bioaccumulative potential: No data. Other adverse environmental effects: Contains a low proportion of an ethoxylated alcohol.
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13. DISPOSAL CONSIDERATION

WASTE DISPOSAL	The generator of any wastes from this product is responsible for its proper classification, transport and disposal. Consult appropriate local and State regulations. Disposal methods and containers: Avoid disposal to natural waters or the environment. Special precautions for landfill or incineration: Unsuitable for incineration. May be unsuitable for some landfill sites.
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14. TRANSPORT INFORMATION

UN No.	None Assigned	DG CLASS	None Assigned	SUBSIDIARY RISK(S)	None Assigned
Pkg GROUP	None Assigned	HAZCHEM CODE	None Assigned	EPG	None Assigned

15. REGULATORY INFORMATION

AICS Listed.

16. OTHER INFORMATION

ADDITIONAL INFORMATION:

Additional Information

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES: Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

ABBREVIATIONS:

ADB - Air-Dry Basis.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m³ - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

pH - relates to hydrogen ion concentration using a scale of 0 (highly acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

TWA/ES - Time Weighted Average or Exposure Standard.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

This document has been compiled by the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS'). It is based on information concerning the product which has been provided to Ecowash Solutions obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

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