


**1.0 Identification**

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| <b>Product identifier</b>                        | <b>Dermcare NATURAL Shampoo</b>  |
| <b>Other means of identification</b>             | Transparent, flowing pale coloured surfactant solution with characteristic coconut like odour.   |
| <b>Recommended use &amp; restrictions on use</b> | <b>This SDS applies to handling, storage and use of this substance in workplace environments.</b> Other use, including consumer use, will have different requirements not addressed herein.  |
| <b>Details of manufacturer / importer</b>        | <b>DERMCARE-VET PTY LTD</b><br>7 Centenary Road, Slacks Creek, QLD, 4127, AUSTRALIA<br>Phone: (07) 3387 9700<br>Email: <a href="mailto:dermcare@dermcare.com.au">dermcare@dermcare.com.au</a> Website: <a href="http://www.dermcare.com.au">http://www.dermcare.com.au</a> |
| <b>Emergency phone number</b>                    | (07) 3387 9700 (Monday – Friday, 9:00am – 5:00pm AEST)<br>After Hours Poisons Information 13 11 26   |

**2.0 GHS Hazard Identification**

|   |  |
|---|--|
| <b>Classification of the hazardous chemical</b> | Acute toxicity, oral Category 4<br>Skin corrosion/irritation Category 2<br>Serious eye damage/eye irritation Category 2B                 |
| <b>Signal word</b>                              | <b>WARNING</b>   |
| <b>Hazard statement</b>                         | H302 Harmful if swallowed<br>H315 Causes skin irritation<br>H320 Causes eye irritation   |
| <b>Precautionary statements</b>                 | P264 Wash exposed skin thoroughly after use.<br>P280 Wear protective gloves.<br>P270 Do not eat, drink or smoke when using this product. |
| <b>GHS pictograms</b>                           |    |

**3.0 Ingredients / Composition ~%w/w**

| <b>Ingredient Name / Nature</b> | <b>0&lt;1</b> | <b>1&lt;10</b> | <b>&gt;10</b> | <b>&gt;20</b> | <b>&gt;30</b> | <b>&gt;40</b> | <b>&gt;50</b> | <b>&gt;60</b> | <b>&gt;70</b> | <b>&gt;80</b> | <b>&gt;90</b> |
|---------------------------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Water & cosmetic constituents   |               |                |               |               |               |               |               |               |               |               |               |
| Surfactants                     |               |                |               |               |               |               |               |               |               |               |               |
| Preservative                    |               |                |               |               |               |               |               |               |               |               |               |
| Perfume                         |               |                |               |               |               |               |               |               |               |               |               |

**4.0 First Aid Measures**

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| <b>First aid instructions</b>                | Consider your own safety first. For advice, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.  |
| <b>Swallowed</b>                             | IF SWALLOWED: Rinse mouth and spit. Do not induce vomiting. Call a POISON CENTER/doctor if you feel unwell.  |
| <b>Eye</b>                                   | IF IN EYES: Rinse cautiously with fresh, running water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention. |
| <b>Skin</b>                                  | IF ON SKIN: Wash with plenty of running water, if skin irritation occurs get medical advice/attention. Take off contaminated clothing and wash it before reuse.  |
| <b>Inhaled</b>                               | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Seek medical advice if concerned.   |
| <b>Symptoms caused by exposure</b>           | Localised effects; surfactant medicated effects are typical.   |
| <b>Medical attention / special treatment</b> | Treat symptomatically.   |

**5.0 Fire Fighting Measures**

|   |   |
|---|---|
| <b>Extinguishing media</b>  | Extinguishing media appropriate to surrounding fire conditions.       |
| <b>Specific hazards arising from the chemical</b>                               | On burning may emit toxic fumes, including those of oxides of carbon. |
| <b>Special protective equipment &amp; precautions for fire fighters HAZCHEM</b> | Keep containers cool with water spray.                                |

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**6.0 Accidental Release Measures**

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|--|---|
| <b>Personal precautions, protective equipment &amp; emergency procedures</b> | Wear protective gloves and eye protection. Will cause hard surfaces to become slippery. Clear area of electrical and other hazards; contain where possible. Rinse all skin thoroughly clean under running water after contact.      |
| <b>Environmental precautions</b>   | Avoid discharging large quantities to drain or open waterways.  |
| <b>Methods &amp; materials for containment &amp; cleaning up</b>             | DO NOT apply high-pressure water, this will cause excessive foaming. Collect excess material into disposable absorbent materials, dispose as solid waste, then dilute excess with low pressure water and wipe up residual material. |

**7.0 Storage & Handling**

|                                      |  |
|--------------------------------------|--|
| <b>Precautions for safe handling</b> | Ensure a slip resistant environment. Protect skin and eyes from avoidable contact.   |
| <b>Safe storage practice</b>         | Read safety directions.  |
| <b>- Avoid</b>                       | Avoid mixing with other chemicals or treatments.   |
| <b>- Control</b>                     | Control cross contamination and sources of microbial spoilage, take care not to allow contaminated water or substances to enter the container.               |
| <b>- Maintain</b>                    | Maintain in original, sealed container.  |
| <b>- Other</b>                       | Wash hands and contaminated skin and clothing thoroughly clean under running water after use. Pat skin dry. If irritation occurs discontinue future contact. |

**8.0 Exposure Controls / Personal Protection**

|                                    |   |   |  |                              |       |
|------------------------------------|---|---|--|------------------------------|-------|
| <b>National exposure standards</b> | None allocated.   |   |  |                              |       |
| <b>Biological monitoring</b>       | If symptoms of rash occur after exposure, discontinue exposure and seek medical advice, show this SDS.                |   |  |                              |       |
| <b>Control banding</b>             | Band Zero – Household or Consumer Use   | Band 1 – good industrial hygiene practice | Band 2 – use local exhaust ventilation | Band 3 – enclose the process | Other |
| <b>Engineering controls</b>        | None merited.   |   |  |                              |       |
| <b>PPE</b>                         | Protective gloves and eyewear are recommended, additional controls or PPE may be merited by individual circumstances. |   |  |                              |       |

**9.0 Physical & Chemical Properties**

|                                 |   |  |                   |
|---------------------------------|---|--|-------------------|
| <b>Appearance</b>               | Pale to light yellow coloured transparent, flowing surfactant solution. | <b>Partition co-efficient: n-octanol/water</b> | Not established.  |
| <b>Odour</b>                    | Coconut like.   | <b>Solubility</b>                              | Water miscible.   |
| <b>pH</b>                       | 5.5 – 6.5   | <b>Vapour pressure</b>                         | Not established.  |
| <b>Melting / freezing point</b> | ~0°C.   | <b>Vapour density</b>                          | Not established.  |
| <b>Boiling point</b>            | ~00°C.  | <b>Relative density</b>                        | ~1.015g/mL.       |
| <b>Flash point</b>              | Not established.  | <b>Auto-ignition temperature</b>               | Not established.  |
| <b>Evaporation rate</b>         | Not established.  | <b>Decomposition temperature</b>               | Not established.  |
| <b>Flammability</b>             | Not flammable.  | <b>Viscosity</b>                               | 1,500 – 6,000cPs. |
| <b>Explosive limits</b>         | Not established.  | <b>Other</b>                                   | Not established.  |

**10.0 Stability & Reactivity**

|   |  |
|---|--|
| <b>Reactivity</b>                         | No data.   |
| <b>Chemical stability</b>                 | Formulated to be stable as supplied.   |
| <b>Possibility of hazardous reactions</b> | No data.   |
| <b>Conditions to avoid</b>                | Avoid freezing, avoid strong light, do not store in damp areas or with strong chemicals. |
| <b>Incompatible materials</b>             | None specifically noted.   |
| <b>Hazardous decomposition products</b>   | None identified.   |

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**11. Toxicological Information**

| Ingredient name / type   | CAS 68908-44-1 <6%   | CAS 61789-40-0 ~3%   | CAS 6440-58-0 ~0.5%  |
|--|--|--|--|
| <b>Acute toxicity</b>  | Moderate acute oral toxicity, LD <sub>50</sub> estimated as >135mg/kg bw.  | LD <sub>50</sub> >5,000mg/kg bw.                           | Low acute oral toxicity.   |
| <b>Skin corrosion / irritation</b>                               | Skin irritant.   | LD <sub>50</sub> >2,000mg/kg bw, non-irritating.           | Low acute dermal toxicity.   |
| <b>Serious eye damage / irritation</b>                           | Severe eye irritant.   | Mildly to moderately irritating.                           | Non-irritating to the eyes.  |
| <b>Respiratory or skin sensitisation</b>                         | Respiratory irritant but not skin sensitiser.  | No data.   | Low acute inhalation toxicity, not a respiratory sensitiser, mild skin sensitiser. |
| <b>Germ cell mutagenicity</b>                                    | Not genotoxic.   | No evidence for genotoxic potential.                       | Not classified as mutagenic.   |
| <b>Carcinogenicity</b>   | (Presumptive) not carcinogenic.  | No valid carcinogenicity data available.                   | No carcinogenicity concerns.   |
| <b>Reproductive toxicity</b>                                     | Reproductive toxicity effects were not observed.   | No data available.   | Not expected to be toxic for reproduction or development.                          |
| <b>Specific Target Organ Toxicity (STOT) – single exposure</b>   | Possible acute toxicity by oral & dermal routes of exposure, local effects - skin irritation, respiratory irritation; possibility of causing serious damage to eyes. | Eye irritation.  | Possible skin sensitisation.   |
| <b>Specific Target Organ Toxicity (STOT) – repeated exposure</b> | None anticipated from incidental exposure.   | None anticipated from incidental exposure.                 | None anticipated from incidental exposure.   |
| <b>Aspiration hazard</b>   | None anticipated from incidental exposure.   | None anticipated from incidental exposure.                 | None anticipated from incidental exposure.   |
| <b>Skin - acute</b>  | Circa 200mg/kg bw.   | Minimal irritation.  | Possible sensitiser.   |
| <b>Inhaled - acute</b>   | Surfactants should not enter lungs.  | Surfactants should not enter lungs.                        | Low acute oral toxicity.   |
| <b>Swallowed - acute</b>   | Surfactants should not enter lungs.  | Surfactants should not enter lungs.                        | Low acute inhalation toxicity.   |
| <b>Eye - acute</b>   | Risk of serious eye damage.  | Irritating.  | Non-irritating to the eyes.  |
| <b>Early onset symptoms</b>                                      | Local irritation.  | Eye irritation.  | Skin sensitisation.  |
| <b>Delayed health effects from exposure</b>                      | None relevant to occasional, incidental exposure.  | None relevant to occasional, incidental exposure.          | None relevant to occasional, incidental exposure.                                  |
| <b>Exposure level &amp; health effects</b>                       | Exposure standard of 5 – 10mg/m <sup>3</sup> TWA.  | None anticipated when rinsed from skin following exposure. | Max authorised concentration of free formaldehyde is 0.2%.                         |
| <b>Interactive effects</b>                                       | Foams with pressurised water.  | Foams with pressurised water.                              | None relevant.   |
| <b>Other</b>   | No data.   | No data.   | No data.   |

**12.0 Ecological Information**

|   |                           |
|---|---------------------------|
| <b>Ecotoxicity</b>                        | Low level of ecotoxicity. |
| <b>Persistence &amp; biodegradability</b> | No data.                  |
| <b>Bioaccumulative potential</b>          | No data.                  |
| <b>Mobility in soil</b>                   | No data.                  |
| <b>Other adverse effects</b>              | No data.                  |

**13.0 Disposal Considerations**

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|--|--|
| <b>Disposal containers &amp; methods</b>                             | Wrap container in paper and dispose of as permitted by local jurisdiction. |
| <b>Physical/chemical properties that may affect disposal options</b> | Avoid excessive use; do not let large volumes run to waterways.            |
| <b>Effects of sewage disposal</b>                                    | No data.   |
| <b>Special precautions for incineration or land fill</b>             | No data.   |

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**14.0 Transport Information**

| UN number                                    | Proper shipping name / technical name | Transport hazard class       | Packing group   |
|--|---------------------------------------|------------------------------|-----------------|
| None allocated.                              | None allocated.                       | None allocated.              | None allocated. |
| Environmental hazards for transport purposes |                                       | Special precautions for user |                 |
| None allocated.                              |                                       | None allocated.              |                 |

**15.0 Regulatory Information**

| Montreal Protocol                     | Stockholm Convention        | Rotterdam Convention | Basel Convention | MARPOL          |
|---------------------------------------|-----------------------------|----------------------|------------------|-----------------|
| Not applicable.                       | Not applicable.             | Not applicable.      | Not applicable.  | Not applicable. |
| SUSMP                                 | Not classified under SUSMP. |                      |                  |                 |
| Prohibitions / licensing restrictions | None identified.            |                      |                  |                 |
| APVMA                                 | Not applicable.             |                      |                  |                 |
| NICNAS                                | Not applicable.             |                      |                  |                 |

**16.0 Other Information**

**16.1 Consumer & General Usage Information**

| Directions for use         | Use as directed on the label.                                       |
|----------------------------|---|
| Directions for removal     | If removal is required, rinse thoroughly clean under running water. |
| Nano materials             | None identified.  |
| Animal derived ingredients | None identified.  |

**16.2 SDS Preparation**

| Date prepared                 | 20 December 2016.  |
|-------------------------------|--|
| Changes made                  | GHS, full review.  |
| Reference standards           | Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016. ISBN 978-0-642-33311-7.  |
| Resources relied upon include | Hazardous Substances Data Bank (HSDB) <a href="https://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB">https://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB</a> Suppliers' SDS; RTECS Toxicity Database; IRAC; CDC NIOSH, HSIS, Safe Work Australia GHS Hazardous Chemical Information List. |

**Disclaimer:** This SDS provides safety data only for the product and circumstances of use nominated. The SDS summarises our best knowledge of the specific, well known and equivocally demonstrated health and safety hazard information pertaining to workplace use of the nominated substance(s) however the author expressly disclaims that the SDS is complete, is a representation or is a guarantee. Published and other resources have been relied upon, and in some cases conflicting information has been identified. Each user should read the SDS and consider the information in the context of their specific conditions and circumstances, and in conjunction with other products.

**16.3 Key Abbreviations or Acronyms Used**

|          |  |
|----------|--|
| %        | percent (parts per hundred)  |
| *C or °C | degrees Celsius  |
| <        | less than  |
| >        | greater than   |
| ACCC     | Australian Competition and Consumer Commission   |
| ADG      | Australian Dangerous Goods   |
| AICS     | Australian Inventory of Chemical Substances  |
| APVMA    | Australian Pesticides and Veterinary Medicines Authority   |
| AS       | Australian Standard  |
| ASCC     | Australian Society of Cosmetic Chemists  |
| BOD      | Biochemical Oxygen Demand  |
| CAS      | Chemical Abstracts Service (Registry Number)   |
| cc       | cubic centimetres (equivalent to mL)   |
| COD      | Chemical Oxygen Demand   |
| COSING   | The European Commission database with information on Cosmetic Ingredients & Substances Dangerous Goods |
| cPs      | Centipoise, the viscosity of water at 20°C is ~1 cPs, equal to one millipascal-second (mPa·s)          |
| EINECS   | European Inventory of Existing Commercial Chemical Substances (Identifying Number)                     |
| EU       | Europe / European  |
| FSANZ    | Food Standards Australia New Zealand   |
| g        | gram   |
| GHS      | Globally Harmonised System (safety symbols and labelling)  |

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|                        |  |
|------------------------|--|
| <b>GMO</b>             | Genetically Modified Organism  |
| <b>h or hr</b>         | hour   |
| <b>HSIS</b>            | The Safe Work Australia Hazardous Substances Information System  |
| <b>IATA</b>            | The International Air Transport Association  |
| <b>ICAO</b>            | The International Civil Aviation Organization  |
| <b>IFA</b>             | The International Fragrance Association  |
| <b>INCI</b>            | The International Nomenclature of Cosmetic Ingredients   |
| <b>kg</b>              | kilogram   |
| <b>L</b>               | litre  |
| <b>LC<sub>50</sub></b> | LC <sub>50</sub> is the average concentration of a material (by a defined route) that causes the death of 50% (one half) of a group of (defined) test animals. Normally quoted in mg/kg body weight.   |
| <b>LD<sub>50</sub></b> | LD <sub>50</sub> is the average dose of a material, given all at once, which causes the death of 50% of a group of (defined) test animals. Normally quoted in mg/kg body weight. Products with a LD <sub>50</sub> of less than 5,000mg/kg are scheduled poisons in Australia (see SUSMP).                      |
| <b>LD<sub>Lo</sub></b> | Lethal Dose Low is the minimum amount of a material shown to be lethal to a specified type of animal. Typically quoted in mg/kg body weight.   |
| <b>m or min</b>        | minute   |
| <b>m<sup>3</sup></b>   | cubic metre  |
| <b>Max or max</b>      | maximum  |
| <b>mg</b>              | milligram  |
| <b>Min or min</b>      | minimum  |
| <b>mL</b>              | millilitre   |
| <b>mm</b>              | millimetre   |
| <b>mm Hg</b>           | millimetre of Mercury  |
| <b>MOS</b>             | Margin of Safety   |
| <b>HAZCHEM</b>         | Emergency action code of numbers and letters that provide information to emergency services especially fire fighters   |
| <b>MRL</b>             | Maximum Residue Limit  |
| <b>MSDS</b>            | Material Safety Data Sheet (see also SDS)  |
| <b>Nano</b>            | Nano(sized) material / Nano Technology; ...industrial materials (including a cosmetic ingredient) comprising 10% or more by composition that has been intentionally produced, manufactured or engineered to have either an internal or external property that is a size range typically between 1nm and 100nm. |
| <b>ng</b>              | nanogram   |
| <b>NICNAS</b>          | The National Industrial Chemicals Notification and Assessment Scheme (AUSTRALIA)   |
| <b>NIOSH</b>           | The National Institute for Occupational Safety and Health (USA)  |
| <b>NOAEL</b>           | No Observed Adverse Effects Limit  |
| <b>NOHSC</b>           | National Occupational Health and Safety Commission (AUSTRALIA)   |
| <b>NOS</b>             | Not Otherwise Specified  |
| <b>NZS</b>             | New Zealand Standard   |
| <b>OECD</b>            | Organization for Economic Co-operation and Development (Test Method number)  |
| <b>OSHA</b>            | The Occupational Safety and Health Administration (USA)  |
| <b>PEL</b>             | Permissible Exposure Limit   |
| <b>pH</b>              | (pH) A measure of acidic (less than 7) or alkalinity (above 7); extreme values represent extreme acidic or alkaline conditions. Typically products with a pH less than three or greater than 11 are scheduled poisons (SUSMP).   |
| <b>ppb</b>             | parts per billion  |
| <b>PPE</b>             | Personal Protective Equipment  |
| <b>ppm</b>             | parts per million  |
| <b>RTECS</b>           | The Registry of Toxic Effects of Chemical Substances   |
| <b>SCCP</b>            | Scientific Committee on Cosmetic Products and Non-Food Products (EUROPE)   |
| <b>SDS</b>             | Safety Data Sheet, (previously called MSDS) now SDS under GHS  |
| <b>STEL</b>            | Short Term Exposure Limit  |
| <b>SUSMP</b>           | Standard for the Uniform Scheduling of Medicine & Poisons (AUSTRALIA) also Poisons Standard  |
| <b>TGA</b>             | Therapeutic Goods Administration (AUSTRALIA)   |
| <b>TLV</b>             | Threshold Limit Value  |
| <b>TWA</b>             | Time Weighted Average  |
| <b>ug</b>              | microgram  |
| <b>uL</b>              | microlitre   |
| <b>UN</b>              | United Nations (number)  |
| <b>US or USA</b>       | The United States of America   |