

# Chemsmart Smartclean

## Chemsmart

Chemwatch: 33-7711

Version No: 3.1.1.1

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 1

Issue Date: 27/06/2017

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L.GHS.AUS.EN

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### Product Identifier

|                                      |                             |
|--------------------------------------|-----------------------------|
| <b>Product name</b>                  | Chemsmart Smartclean        |
| <b>Synonyms</b>                      | Liquid hand soap/ Body soap |
| <b>Other means of identification</b> | Not Available               |

### Relevant identified uses of the substance or mixture and uses advised against

|                                 |   |
|---------------------------------|---|
| <b>Relevant identified uses</b> | Liquid hand soap for use in kitchen, ablution and food processing areas. Also a body soap. Use as supplied DO NOT dilute. |
|---------------------------------|---|

### Details of the supplier of the safety data sheet

|                                |   |
|--------------------------------|---|
| <b>Registered company name</b> | Chemsmart   |
| <b>Address</b>                 | Unit 2 / 40 Denninup Way Malaga WA 6090 Australia |
| <b>Telephone</b>               | +61 8 9248 9666                                   |
| <b>Fax</b>                     | +61 8 9248 8843                                   |
| <b>Website</b>                 | Not Available                                     |
| <b>Email</b>                   | info@chemsmart.com.au                             |

### Emergency telephone number

|  |                              |
|--|------------------------------|
| <b>Association / Organisation</b>        | Not Available                |
| <b>Emergency telephone numbers</b>       | +61 8 9248 9666,0439 950 165 |
| <b>Other emergency telephone numbers</b> | Not Available                |

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

|                         |                |
|-------------------------|----------------|
| <b>Poisons Schedule</b> | Not Applicable |
| <b>Classification</b>   | Not Applicable |

### Label elements

|                            |                |
|----------------------------|----------------|
| <b>Hazard pictogram(s)</b> | Not Applicable |
|----------------------------|----------------|

|                    |                       |
|--------------------|-----------------------|
| <b>SIGNAL WORD</b> | <b>NOT APPLICABLE</b> |
|--------------------|-----------------------|

### Hazard statement(s)

Not Applicable

### Precautionary statement(s) Prevention

Not Applicable

**Precautionary statement(s) Response**

Not Applicable

**Precautionary statement(s) Storage**

Not Applicable

**Precautionary statement(s) Disposal**

Not Applicable

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS****Substances**

See section below for composition of Mixtures

**Mixtures**

| CAS No        | %[weight] | Name                            |
|---------------|-----------|---------------------------------|
| Not Available | <20       | anionic surfactant nonhazardous |
| 7732-18-5     | >60       | <u>water</u>                    |

**SECTION 4 FIRST AID MEASURES****Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | <p>If this product comes in contact with eyes:</p> <ul style="list-style-type: none"> <li>▶ Wash out immediately with water.</li> <li>▶ If irritation continues, seek medical attention.</li> <li>▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>   |
| <b>Skin Contact</b> | <ul style="list-style-type: none"> <li>▶ Generally not applicable.</li> </ul> <p>Seek medical attention if irritation occurs.</p>  |
| <b>Inhalation</b>   | <ul style="list-style-type: none"> <li>▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>▶ Other measures are usually unnecessary.</li> </ul>  |
| <b>Ingestion</b>    | <ul style="list-style-type: none"> <li>▶ <b>If swallowed do NOT induce vomiting.</b></li> <li>▶ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>▶ Observe the patient carefully.</li> <li>▶ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>▶ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>▶ Seek medical advice.</li> </ul> |

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5 FIREFIGHTING MEASURES****Extinguishing media**

- ▶ There is no restriction on the type of extinguisher which may be used.
- ▶ Use extinguishing media suitable for surrounding area.

**Special hazards arising from the substrate or mixture**

|                             |            |
|-----------------------------|------------|
| <b>Fire Incompatibility</b> | None known |
|-----------------------------|------------|

**Advice for firefighters**

|                              |   |
|------------------------------|---|
| <b>Fire Fighting</b>         | <ul style="list-style-type: none"> <li>▶ Use water delivered as a fine spray to control fire and cool adjacent area.</li> <li>▶ <b>Do not</b> approach containers suspected to be hot.</li> <li>▶ Cool fire exposed containers with water spray from a protected location.</li> <li>▶ If safe to do so, remove containers from path of fire.</li> <li>▶ Equipment should be thoroughly decontaminated after use.</li> </ul> |
| <b>Fire/Explosion Hazard</b> | <ul style="list-style-type: none"> <li>▶ Non combustible.</li> <li>▶ Not considered to be a significant fire risk.</li> <li>▶ Expansion or decomposition on heating may lead to violent rupture of containers.</li> <li>▶ Decomposes on heating and may produce toxic fumes of carbon monoxide (CO).</li> <li>▶ May emit acrid smoke.</li> </ul> <p>Other decomposition products include:</p>                               |

## Chemsmart Smartclean

|                |                           |
|----------------|---------------------------|
|                | ,<br>carbon dioxide (CO2) |
|                | ,<br>sulfur oxides (SOx)  |
| <b>HAZCHEM</b> | Not Applicable            |

**SECTION 6 ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

See section 8

**Environmental precautions**

See section 12

**Methods and material for containment and cleaning up**

|                     |   |
|---------------------|---|
| <b>Minor Spills</b> | Clean up all spills immediately.<br>Slippery when spilt.<br>Wipe up.<br>Place in clean drum then flush area with water.   |
| <b>Major Spills</b> | Slippery when spilt.<br>Minor hazard. <ul style="list-style-type: none"> <li>▶ Clear area of personnel.</li> <li>▶ Alert Fire Brigade and tell them location and nature of hazard.</li> <li>▶ Control personal contact with the substance, by using protective equipment as required.</li> <li>▶ Prevent spillage from entering drains or water ways.</li> <li>▶ Contain spill with sand, earth or vermiculite.</li> <li>▶ Collect recoverable product into labelled containers for recycling.</li> <li>▶ Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.</li> <li>▶ Wash area and prevent runoff into drains or waterways.</li> <li>▶ If contamination of drains or waterways occurs, advise emergency services.</li> </ul> |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

**SECTION 7 HANDLING AND STORAGE****Precautions for safe handling**

|                          |  |
|--------------------------|--|
| <b>Safe handling</b>     | <ul style="list-style-type: none"> <li>▶ Limit all unnecessary personal contact.</li> <li>▶ Wear protective clothing when risk of exposure occurs.</li> <li>▶ Use in a well-ventilated area.</li> <li>▶ <b>When handling DO NOT eat, drink or smoke.</b></li> <li>▶ Always wash hands with soap and water after handling.</li> <li>▶ Avoid physical damage to containers.</li> <li>▶ Use good occupational work practice.</li> <li>▶ Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul> |
| <b>Other information</b> | <ul style="list-style-type: none"> <li>▶ Store in original containers.</li> <li>▶ Keep containers securely sealed.</li> <li>▶ Store in a cool, dry, well-ventilated area.</li> <li>▶ Store away from incompatible materials and foodstuff containers.</li> <li>▶ Protect containers against physical damage and check regularly for leaks.</li> <li>▶ Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>  |

**Conditions for safe storage, including any incompatibilities**

|                                |                   |
|--------------------------------|-------------------|
| <b>Suitable container</b>      | Plastic container |
| <b>Storage incompatibility</b> | None known        |

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters**

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

Continued...

**EMERGENCY LIMITS**


| Ingredient           | Material name | TEEL-1        | TEEL-2        | TEEL-3        |
|----------------------|---------------|---------------|---------------|---------------|
| Chemsmart Smartclean | Not Available | Not Available | Not Available | Not Available |

| Ingredient                      | Original IDLH | Revised IDLH  |
|---------------------------------|---------------|---------------|
| anionic surfactant nonhazardous | Not Available | Not Available |
| water                           | Not Available | Not Available |

**MATERIAL DATA**

None assigned. Refer to individual constituents.

**Exposure controls**

|   |  |
|---|--|
| <b>Appropriate engineering controls</b> | None under normal operating conditions.  |
| <b>Personal protection</b>              |   |
| <b>Eye and face protection</b>          | No special equipment for minor exposure i.e. when handling small quantities.<br>OTHERWISE:<br><ul style="list-style-type: none"> <li>▶ Safety glasses with side shields.</li> <li>▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> </ul> |
| <b>Skin protection</b>                  | See Hand protection below  |
| <b>Hands/feet protection</b>            | No special equipment needed when handling small quantities.<br>OTHERWISE: Wear chemical protective gloves, e.g. PVC.   |
| <b>Body protection</b>                  | See Other protection below   |
| <b>Other protection</b>                 | None under normal operating conditions.  |
| <b>Thermal hazards</b>                  | Not Available  |

**Recommended material(s)****GLOVE SELECTION INDEX**

Glove selection is based on a modified presentation of the:

**"Forsberg Clothing Performance Index".**

The effect(s) of the following substance(s) are taken into account in the **computer-generated** selection:

Chemsmart Smartclean

| Material       | CPI |
|----------------|-----|
| BUTYL          | A   |
| NEOPRENE       | A   |
| VITON          | A   |
| NATURAL RUBBER | C   |
| PVA            | C   |

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE:** As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

### Information on basic physical and chemical properties

|   |  |  |                |
|---|--|--|----------------|
| <b>Appearance</b>                                   | Pale green pearlescent liquid with pleasant odour; mixes with water. |  |                |
| <b>Physical state</b>                               | Liquid   | <b>Relative density (Water = 1)</b>            | 1.01-1.04      |
| <b>Odour</b>  | Not Available  | <b>Partition coefficient n-octanol / water</b> | Not Available  |
| <b>Odour threshold</b>                              | Not Available  | <b>Auto-ignition temperature (°C)</b>          | Not Available  |
| <b>pH (as supplied)</b>                             | Not Available  | <b>Decomposition temperature</b>               | Not Available  |
| <b>Melting point / freezing point (°C)</b>          | Not Available  | <b>Viscosity (cSt)</b>                         | Not Available  |
| <b>Initial boiling point and boiling range (°C)</b> | ~100   | <b>Molecular weight (g/mol)</b>                | Not Applicable |
| <b>Flash point (°C)</b>                             | Not Applicable   | <b>Taste</b>                                   | Not Available  |
| <b>Evaporation rate</b>                             | Not Available  | <b>Explosive properties</b>                    | Not Available  |
| <b>Flammability</b>                                 | Not Applicable   | <b>Oxidising properties</b>                    | Not Available  |
| <b>Upper Explosive Limit (%)</b>                    | Not Applicable   | <b>Surface Tension (dyn/cm or mN/m)</b>        | Not Available  |
| <b>Lower Explosive Limit (%)</b>                    | Not Applicable   | <b>Volatile Component (%vol)</b>               | Not Available  |
| <b>Vapour pressure (kPa)</b>                        | Not Available  | <b>Gas group</b>                               | Not Available  |
| <b>Solubility in water (g/L)</b>                    | Miscible   | <b>pH as a solution (1%)</b>                   | 6.8-7.4        |
| <b>Vapour density (Air = 1)</b>                     | Not Available  | <b>VOC g/L</b>                                 | Not Available  |

### SECTION 10 STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Reactivity</b>                         | See section 7  |
| <b>Chemical stability</b>                 | <ul style="list-style-type: none"> <li>▶ Unstable in the presence of incompatible materials.</li> <li>▶ Product is considered stable.</li> <li>▶ Hazardous polymerisation will not occur.</li> </ul> |
| <b>Possibility of hazardous reactions</b> | See section 7  |
| <b>Conditions to avoid</b>                | See section 7  |
| <b>Incompatible materials</b>             | See section 7  |
| <b>Hazardous decomposition products</b>   | See section 5  |

### SECTION 11 TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

|                             |   |                   |
|-----------------------------|---|-------------------|
| <b>Inhaled</b>              | Not normally a hazard due to non-volatile nature of product   |                   |
| <b>Ingestion</b>            | Ingestion may result in nausea, abdominal irritation, pain and vomiting   |                   |
| <b>Skin Contact</b>         | Not considered to cause discomfort through normal use.  |                   |
| <b>Eye</b>                  | The liquid may produce eye discomfort causing transient smarting, blinking  |                   |
| <b>Chronic</b>              | Principal hazards are accidental eye contact and cleaner overuse. Overuse or obsessive cleaner use may lead to defatting of the skin and may cause irritation, drying, cracking, leading to dermatitis. |                   |
| <b>Chemsmart Smartclean</b> | <b>TOXICITY</b>   | <b>IRRITATION</b> |
|                             | Not Available   | Not Available     |
| <b>water</b>                | <b>TOXICITY</b>   | <b>IRRITATION</b> |
|                             | Not Available   | Not Available     |

## Chemsmart Smartclean

**Legend:** 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. \* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

|  |  |                                 |
|--|--|---------------------------------|
| <b>WATER</b>                             | No significant acute toxicological data identified in literature search. |                                 |
| <b>Acute Toxicity</b>                    | ☉  | <b>Carcinogenicity</b>          |
| <b>Skin Irritation/Corrosion</b>         | ☉  | <b>Reproductivity</b>           |
| <b>Serious Eye Damage/Irritation</b>     | ☉  | <b>STOT - Single Exposure</b>   |
| <b>Respiratory or Skin sensitisation</b> | ☉  | <b>STOT - Repeated Exposure</b> |
| <b>Mutagenicity</b>                      | ☉  | <b>Aspiration Hazard</b>        |

**Legend:** ✘ – Data available but does not fill the criteria for classification  
✔ – Data available to make classification  
☉ – Data Not Available to make classification

## SECTION 12 ECOLOGICAL INFORMATION

## Toxicity

| Chemsmart Smartclean | ENDPOINT      | TEST DURATION (HR) | SPECIES       | VALUE         | SOURCE        |
|----------------------|---------------|--------------------|---------------|---------------|---------------|
|                      | Not Available | Not Available      | Not Available | Not Available | Not Available |

| water | ENDPOINT | TEST DURATION (HR) | SPECIES                       | VALUE        | SOURCE |
|-------|----------|--------------------|-------------------------------|--------------|--------|
|       | LC50     | 96                 | Fish                          | 897.520mg/L  | 3      |
|       | EC50     | 96                 | Algae or other aquatic plants | 8768.874mg/L | 3      |

**Legend:** Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

## Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air |
|------------|-------------------------|------------------|
| water      | LOW                     | LOW              |

## Bioaccumulative potential

| Ingredient | Bioaccumulation      |
|------------|----------------------|
| water      | LOW (LogKOW = -1.38) |

## Mobility in soil

| Ingredient | Mobility         |
|------------|------------------|
| water      | LOW (KOC = 14.3) |

## SECTION 13 DISPOSAL CONSIDERATIONS

## Waste treatment methods

| Product / Packaging disposal |  |
|------------------------------|--|
|                              | <ul style="list-style-type: none"> <li>▶ Recycle wherever possible or consult manufacturer for recycling options.</li> <li>▶ Consult State Land Waste Management Authority for disposal.</li> <li>▶ Bury residue in an authorised landfill.</li> <li>▶ Recycle containers if possible, or dispose of in an authorised landfill.</li> </ul> |

## SECTION 14 TRANSPORT INFORMATION

## Labels Required

Continued...

|                         |                |
|-------------------------|----------------|
| <b>Marine Pollutant</b> | NO             |
| <b>HAZCHEM</b>          | Not Applicable |

**Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS**

**Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS**

**Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS**

**Transport in bulk according to Annex II of MARPOL and the IBC code**

Not Applicable

## SECTION 15 REGULATORY INFORMATION

### Safety, health and environmental regulations / legislation specific for the substance or mixture

#### WATER(7732-18-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

| National Inventory            | Status   |
|-------------------------------|--|
| Australia - AICS              | Y  |
| Canada - DSL                  | Y  |
| Canada - NDSL                 | N (water)  |
| China - IECSC                 | Y  |
| Europe - EINEC / ELINCS / NLP | Y  |
| Japan - ENCS                  | Y  |
| Korea - KECI                  | Y  |
| New Zealand - NZIoC           | Y  |
| Philippines - PICCS           | Y  |
| USA - TSCA                    | Y  |
| <b>Legend:</b>                | Y = All ingredients are on the inventory<br>N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

## SECTION 16 OTHER INFORMATION

### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average  
 PC—STEL: Permissible Concentration-Short Term Exposure Limit  
 IARC: International Agency for Research on Cancer  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 STEL: Short Term Exposure Limit  
 TEEL: Temporary Emergency Exposure Limit.  
 IDLH: Immediately Dangerous to Life or Health Concentrations  
 OSF: Odour Safety Factor  
 NOAEL :No Observed Adverse Effect Level  
 LOAEL: Lowest Observed Adverse Effect Level  
 TLV: Threshold Limit Value  
 LOD: Limit Of Detection  
 OTV: Odour Threshold Value  
 BCF: BioConcentration Factors  
 BEI: Biological Exposure Index

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