

# SAFETY DATA SHEET



## AQUATERG CONC

APPLIED PRODUCTS AUSTRALIA PTY LTD

Catalogue number: AP842

Version No: 1.6

Issue date: 19/01/2017

Safety Data Sheet according to WHS and ADG requirements

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

#### Product Identifier

|                               |               |
|-------------------------------|---------------|
| Product name                  | AQUATERG CONC |
| Synonyms                      | AP842         |
| Other means of identification | Not Available |

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

|                          |                                      |
|--------------------------|--------------------------------------|
| Relevant identified uses | Liquid laundry detergent concentrate |
|--------------------------|--------------------------------------|

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

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Registered company name | APPLIED PRODUCTS AUSTRALIA PTY LTD            |
| Address                 | 11 Gamma Close, Beresfield 2322 NSW Australia |
| Telephone               | (02) 4966 5516                                |
| Fax                     | (02) 4966 5510                                |
| Website                 | www.actichem.com.au                           |
| Email                   | info@actichem.com.au                          |

#### Emergency telephone number

|                                   |                            |
|-----------------------------------|----------------------------|
| Association / Organisation        | Poisons Information Centre |
| Emergency telephone numbers       | 13 1126                    |
| Other emergency telephone numbers | Not Available              |

### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Poisons Schedule       | Not Applicable                                                                                                                 |
| GHS Classification [1] | Skin Corrosion/Irritation Category 2, Serious Eye Damage Category 1                                                            |
| Legend:                | 1. Classified by Chemwatch; 2. Classification drawn from HSIIS, 3. Classification drawn from EC Directive 1272/2008 - Annex VI |

#### Label elements

|                    |  |
|--------------------|--|
| GHS label elements |  |
|--------------------|--|

|             |        |
|-------------|--------|
| SIGNAL WORD | DANGER |
|-------------|--------|

#### Hazard statement(s)

|      |                           |
|------|---------------------------|
| H315 | Causes skin irritation    |
| H318 | Causes serious eye damage |

#### Precautionary statement(s) Prevention

|      |                                            |
|------|--------------------------------------------|
| P280 | Wear protective gloves and eye protection. |
|------|--------------------------------------------|

#### Precautionary statement(s) Response

|                          |                                                                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P305+P310+P351+P338      | IF IN EYES: Immediately call a POISON CENTER or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P302+P362+P352+P332+P313 | IF ON SKIN: Take off contaminated clothing. Wash with plenty of water and soap. If skin irritation occurs, get medical advice / attention.                                   |

#### 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                                            |
|------------|-----------|-------------------------------------------------|
| 67-63-0    | <10       | <u>isopropanol</u>                              |
| 2272-11-9  | <10       | <u>monoethanolamine oleate</u>                  |
| 26836-07-7 | 10-<30    | <u>monoethanolamine dodecylbenzenesulfonate</u> |
| 9016-45-9  | <10       | <u>nonylphenol, ethoxylated</u>                 |
| 57-13-6    | 10-<30    | <u>urea</u>                                     |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### SECTION 4 FIRST AID MEASURES

#### Description of first aid measures

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | If this product comes in contact with the eyes:<br>Immediately obtain medical advice / attention.<br>Immediately hold eyelids apart and flush the eye continuously with running water.<br>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.<br>Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.<br>If required, transport to hospital or doctor without delay.<br>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| <b>Skin Contact</b> | If skin contact occurs:<br>Immediately remove all contaminated clothing, including footwear.<br>Flush skin and hair with running water (and soap if available).<br>Seek medical attention in event of irritation.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Inhalation</b>   | If fumes, aerosols or combustion products are inhaled remove from contaminated area.<br>Other measures are usually unnecessary.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Ingestion</b>    | Immediately give a glass of water.<br>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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

Treat symptomatically.

### SECTION 5 FIREFIGHTING MEASURES

#### Extinguishing media

|                            |                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extinguishing media</b> | The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used.<br>Choice of extinguishing media should take into account surrounding areas. |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

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

#### Advice for firefighters

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fire Fighting</b>         | Alert Fire Brigade and tell them location and nature of hazard.<br>Wear breathing apparatus plus protective gloves in the event of a fire.<br>Prevent, by any means available, spillage from entering drains or water courses.<br>Use firefighting procedures suitable for surrounding area.<br><b>DO NOT</b> approach containers suspected to be hot.<br>Cool fire exposed containers with water spray from a protected location.<br>If safe to do so, remove containers from path of fire.<br>Equipment should be thoroughly decontaminated after use. |
| <b>Fire/Explosion Hazard</b> | The product is not combustible under normal conditions. However, it will break down under fire conditions and the hydrocarbon component will burn.<br>Decomposes on heating and produces toxic fumes of, carbon dioxide (CO <sub>2</sub> ), nitrogen oxides (NO <sub>x</sub> ), sulfur oxides (SO <sub>x</sub> ) and other pyrolysis products typical of burning organic material.<br>May emit corrosive fumes.                                                                                                                                          |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Minor Spills</b>      | <p>Environmental hazard - contain spillage.<br/>Clean up all spills immediately.<br/>Avoid breathing vapours and contact with skin and eyes.<br/>Control personal contact with the substance, by using protective equipment.<br/>Contain and absorb spill with sand, earth, inert material or vermiculite.<br/>Wipe up.<br/>Place in a suitable, labelled container for waste disposal.</p>                                                                                                                                       |
| <b>Major Spills</b>      | <p>Moderate environmental hazard - contain spillage.<br/>Wear breathing apparatus plus protective gloves.<br/>Prevent, by any means available, spillage from entering drains or water course.<br/>Stop leak if safe to do so.<br/>Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations.<br/>Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle.</p> |
| <b>Other information</b> | <p>Personal Protective Equipment advice is contained in Section 8 of the SDS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

|                          |                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Safe handling</b>     | <p><b>DO NOT allow clothing wet with material to stay in contact with skin</b><br/>Avoid all personal contact, including inhalation.<br/>Wear protective clothing when risk of exposure occurs.<br/>Use in a well-ventilated area.</p> |
| <b>Other information</b> |                                                                                                                                                                                                                                        |

### Conditions for safe storage, including any incompatibilities

|                                |                                                                                                                                                                |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable container</b>      | <p>Polyethylene or polypropylene container.<br/>Packing as recommended by manufacturer.<br/>Check all containers are clearly labelled and free from leaks.</p> |
| <b>Storage incompatibility</b> | <p>Not compatible with strong oxidisers, strong alkalis and strong acids.</p>                                                                                  |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA



| Source                       | Ingredient  | Material name     | TWA                             | STEL                             | Peak          | Notes         |
|------------------------------|-------------|-------------------|---------------------------------|----------------------------------|---------------|---------------|
| Australia Exposure Standards | isopropanol | Isopropyl alcohol | 983 mg/m <sup>3</sup> / 400 ppm | 1230 mg/m <sup>3</sup> / 500 ppm | Not Available | Not Available |

#### EMERGENCY LIMITS

| Ingredient               | Material name                                                   | TEEL-1                | TEEL-2                | TEEL-3                 |
|--------------------------|-----------------------------------------------------------------|-----------------------|-----------------------|------------------------|
| isopropanol              | Isopropyl alcohol                                               | 400 ppm               | 400 ppm               | 12000 ppm              |
| nonylphenol, ethoxylated | Glycols, polyethylene, mono(p-nonylphenol) ether; (Nonoxynol-9) | 9.9 mg/m <sup>3</sup> | 110 mg/m <sup>3</sup> | 300 mg/m <sup>3</sup>  |
| urea                     | urea                                                            | 10 mg/m <sup>3</sup>  | 10 mg/m <sup>3</sup>  | 1700 mg/m <sup>3</sup> |

| Ingredient                               | Original IDLH | Revised IDLH    |
|------------------------------------------|---------------|-----------------|
| isopropanol                              | 12,000 ppm    | 2,000 [LEL] ppm |
| monoethanolamine oleate                  | Not Available | Not Available   |
| Monoethanolamine dodecylbenzenesulfonate | Not Available | Not Available   |
| nonylphenol, ethoxylated                 | Not Available | Not Available   |
| urea                                     | Not Available | Not Available   |

## Exposure controls

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appropriate engineering controls</b> | Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate. If ventilation is poor, then the use of a local exhaust ventilation system is recommended.                                                                                                                                                                                                   |
| <b>Personal protection</b>              |                                                                                                                                                                                                                                        |
| <b>Eye and face protection</b>          | Safety glasses with side shields OR<br>Chemical goggles.<br>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. 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.                                                                   |
| <b>Skin protection</b>                  | See Hand protection below                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Hands/feet protection</b>            | Wear elbow length chemical protective gloves. Neoprene is recommended for this application.<br><b>NOTE:</b><br>The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.<br>Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed. |
| <b>Body protection</b>                  | See Other protection below                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Other protection</b>                 | Overalls.<br>P.V.C. apron.<br>Barrier cream.<br>Skin cleansing cream.<br>Eye wash unit.                                                                                                                                                                                                                                                                                                                  |
| <b>Thermal hazards</b>                  | Not Available                                                                                                                                                                                                                                                                                                                                                                                            |

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                                     |                |                                                |               |
|-----------------------------------------------------|----------------|------------------------------------------------|---------------|
| <b>Appearance</b>                                   | Blue liquid    |                                                |               |
| <b>Physical state</b>                               | Liquid         | <b>Relative density (Water = 1)</b>            | Not Available |
| <b>Odour</b>                                        | Citrus         | <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>                             | 9.3            | <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> | Not Available  | <b>Molecular weight (g/mol)</b>                | Not Available |
| <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>                   | Not Available |
| <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>                 | Unstable in the presence of incompatible materials.<br>Product is considered stable.<br>Hazardous polymerisation will not occur. |
| <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

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhaled      | No relative data available. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.                                                                                                                                                                                                                                                                                                                         |
| Ingestion    | Ingestion may produce diarrhoea, bloated stomach, and occasional vomiting.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Skin Contact | This material can cause inflammation of the skin on contact in some persons.<br>The material may accentuate any pre-existing dermatitis condition<br>Skin contact is not thought to have harmful <b>health</b> effects (as classified under EC Directives<br>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. |
| Eye          | If applied to the eyes, this material causes severe eye damage.<br>Direct eye contact with some surfactants in high concentration can cause severe damage to the cornea. Low concentrations can cause discomfort, excess blood flow, and corneal clouding and swelling. Recovery may take several days. Eye contact may cause tearing or blurring of vision.                                                                                                                                               |
| Chronic      | There is limited evidence that, skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population.<br>Prolonged or repeated skin contact may cause degreasing with drying, cracking and dermatitis following.                                                                                                                                                                                                                             |

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity

#### Persistence and degradability

| Ingredient               | Persistence: Water/Soil   | Persistence: Air         |
|--------------------------|---------------------------|--------------------------|
| isopropanol              | LOW (Half-life = 14 days) | LOW (Half-life = 3 days) |
| nonylphenol, ethoxylated | LOW                       | LOW                      |
| urea                     | LOW                       | LOW                      |

#### Bio accumulative potential

| Ingredient               | Bioaccumulation     |
|--------------------------|---------------------|
| isopropanol              | LOW (LogKOW = 0.05) |
| nonylphenol, ethoxylated | LOW (BCF = 16)      |
| urea                     | LOW (BCF = 10)      |

#### Mobility in soil

| Ingredient               | Mobility          |
|--------------------------|-------------------|
| isopropanol              | HIGH (KOC = 1.06) |
| nonylphenol, ethoxylated | LOW (KOC = 940)   |
| urea                     | LOW (KOC = 4.191) |

## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

|                              |                                                                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Product / packaging disposal | Recycle containers whenever possible.<br>Product residues and containers should be disposed of in accordance with local government regulations. |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 14 TRANSPORT INFORMATION

### Labels Required

|                  |                |
|------------------|----------------|
| Marine Pollutant | NO             |
| HAZCHEM          | Not Applicable |

Land transport (Not Applicable): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

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## SECTION 15 REGULATORY INFORMATION

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

#### ISOPROPANOL (67-63-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards  
Australia Inventory of Chemical Substances (AICS)  
Australia Hazardous Substances Information System - Consolidated Lists  
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

#### MONOETHANOLAMINE OLEATE (2272-11-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

#### MONOETHANOLAMINE DODECYLBENZENESULFONATE (26836-07-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

#### NONYLPHENOL, ETHOXYLATED (9016-45-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

#### UREA (57-13-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

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## SECTION 16 OTHER INFORMATION

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### 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.

A list of reference resources used to assist the committee may be found at [www.chemwatch.net](http://www.chemwatch.net)

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 Government Industrial Hygienists |
| STEL:    | Short Term Exposure Limit                               |
| TEEL:    | Temporary Emergency Exposure Limit                      |
| IDLH:    | Odour Safety Factor                                     |
| NOAEL:   | No Observed Effects Level                               |
| TLV:     | Threshold Limit Value                                   |
| LOD:     | Limit Of Detection                                      |
| OTV:     | Odour Threshold Value                                   |
| BCF:     | Bio Concentration Factors                               |
| BEI:     | Biological Exposure Index                               |

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**End of SDS**