



# Wash Pro Clean Detergent

Date of Issue: 5 May 2022

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

|                        |  |
|------------------------|--|
| <b>Product Name</b>    | <b>Wash Pro Clean Detergent</b>        |
| <b>Code</b>            | 50108, C27105, WPCD10L                 |
| <b>Product Use</b>     | Machine dishwashing liquid             |
| <b>Company Name</b>    | Moffat Pty. Ltd                        |
| <b>Address</b>         | 740 Springvale Road, Mulgrave VIC 3170 |
| <b>Telephone</b>       | (03) 9518 3888                         |
| <b>Emergency phone</b> | 13 11 26                               |

## 2. HAZARDS IDENTIFICATION

|                                 |  |
|---------------------------------|--|
| <b>GHS Classification</b>       | <b>Skin Corrosion Category 1A</b><br><b>Acute Toxicity (Oral) Category 4</b><br><b>Metal Corrosion 1</b>   |
| <b>Signal Word</b>              | <b>DANGER</b>  |
| <b>Hazard Statements</b>        | <b>H314 Causes severe skin burns and eye damage</b><br><b>H302 Harmful if swallowed</b><br><b>H290 May be corrosive to metals</b>  |
| <b>Precautionary Statements</b> | Keep out of reach of children<br>Read carefully and follow instructions<br>Do not breathe dust, fume, gas, mist, vapours or spray<br>Wash skin thoroughly after handling.<br>Wear protective gloves / protective clothing and eye protection / face protection.<br>Do not eat, drink or smoke when using this product.<br>Store locked up.<br>Keep only in original container. Store in corrosive resistant original container with a resistant inner liner.<br>Absorb spillage to prevent material damage.<br><br>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.<br>Immediately call a poison centre/doctor.<br><br>IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.<br><br>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor.<br><br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.<br><br>Dispose of contents/container in accordance with state regulations |

### Pictograms



safety data sheet

24 hr medical emergency line

131 126



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | Name                                       | CAS          | Proportion |
|-------------|--|--------------|------------|
|             | Potassium hydroxide                        | 1310-58-3    | 10 – 30%   |
|             | Disodium metasilicate                      | 6834-92-0    | 1 – 10%    |
|             | EDTA Tetra sodium                          | 64-02-8      | 1 – 10%    |
|             | Ingredients determined not to be hazardous | Not required | Balance    |

### 4. FIRST AID MEASURES

|                             |  |
|-----------------------------|--|
| <b>Ingestion</b>            | Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Immediately call Poisons Centre or Doctor.  |
| <b>Eye</b>                  | Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.   |
| <b>Skin</b>                 | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance. |
| <b>Inhaled</b>              | Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.  |
| <b>First Aid Facilities</b> | An eye wash and general washing facility should be available adjacent to the work area.  |
| <b>PPE for First Aiders</b> | Wear gloves, chemical goggles. Available information suggests that gloves made from should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.   |
| <b>Advice to Doctor</b>     | Treat symptomatically. For advice contact a Poisons Information Centre. (Phone Australia 13 11 26; New Zealand 0800 764 766)   |

### 5. FIRE FIGHTING MEASURES

|                                |   |
|--------------------------------|---|
| <b>Extinguishing Media</b>     | If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder). |
| <b>Hazards from Combustion</b> | Non-combustible material  |



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|                                      |   |
|--------------------------------------|---|
| <b>Precautions for Fire Fighters</b> | Wear chemical splash suit and SCBA. Corrosive liquid. Contact with metals may evolve flammable Ahydrogen gas. |
| <b>Hazchem</b>                       | 2R  |

### 6. ACCIDENTAL RELEASE MEASURES

|                             |   |
|-----------------------------|---|
| <b>Emergency Procedures</b> | Keep unauthorised people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. |
| <b>Clean Up</b>             | Spills will be slippery so treat promptly.  |

#### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

#### LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. 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. If contamination of crops, sewers or waterways has occurred advise local emergency services.

|  |    |
|--|----|
| <b>Dangerous Goods – Initial Emergency Response Guide No</b> | 37 |
|--|----|

### 7. HANDLING AND STORAGE

|                 |  |
|-----------------|--|
| <b>Handling</b> | Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Use in well-ventilated area. Keep containers closed when not in use. Maintain high standards of personal hygiene. Wash hands immediately after using product.  |
| <b>Storage</b>  | <p>Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Store in corrosive resistant container with a resistant inner liner. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.</p> <p>This material is classified as a Class 8 Corrosive as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road &amp; Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.</p> <p>This material is a Scheduled Poison Schedule 6 (Poison) and must be stored, maintained and used in accordance with the relevant regulations.</p> |



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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Standards

None listed for product. However, exposure standards for potassium hydroxide are:

TWA 2 mg/m<sup>3</sup> Peak Limitation

As published by Safe Work Australia

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

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.

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.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

#### Engineering Controls

Wash Pro Clean Detergent is dispensed using an electronic feeder to prevent contact with product. Do not add manually. Never use for manual dishwashing.

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

#### Personal Protective Equipment

Wear impervious gloves and chemical goggles.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear gloves, chemical goggles. Available information suggests that gloves made from should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

#### Hygiene measures

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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|                            |                                     |
|----------------------------|-------------------------------------|
| <b>Appearance</b>          | Clear colourless non foaming liquid |
| <b>Solubility in Water</b> | Soluble                             |
| <b>pH</b>                  | 14                                  |
| <b>Flash Point</b>         | Not available                       |
| <b>Melting Point</b>       | Not available                       |
| <b>Boiling Point</b>       | 100                                 |
| <b>Specific Gravity</b>    | 1.274                               |

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### 10. STABILITY AND REACTIVITY

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|---|---|
| <b>Stability</b>                        | Stable under normal conditions  |
| <b>Hazardous Polymerisation</b>         | Will not occur  |
| <b>Hazardous decomposition products</b> | Oxides of carbon and nitrogen, smoke and other toxic fumes.                     |
| <b>Conditions to Avoid</b>              | Elevated temperatures and sources of ignition                                   |
| <b>Incompatible Materials</b>           | Reacts violently with acids. Attacks aluminium, tin and zinc. Oxidising agents. |
| <b>Hazardous reactions</b>              | No known hazardous reactions.   |

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### 11. TOXICOLOGICAL INFORMATION

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|---------------------------|--|
| <b>Ingestion</b>          | Harmful if swallowed. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract..  |
| <b>Eye</b>                | A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.   |
| <b>Skin</b>               | Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.  |
| <b>Inhalation</b>         | Not normally an inhalation risk due to nature of product and method of use. Material may be an irritant to mucous membranes and respiratory tract.   |
| <b>Chronic Effects</b>    | Prolonged or repeated exposure to this product will result in skin irritation, burns and possibly result in dermatitis.  |
| <b>Toxicological Data</b> | Non available for Wash Pro Clean Detergent. However, for potassium hydroxide:<br>Oral LD50: 365 mg/kg (rat)<br>Skin 50g/mg/24hr: Severe (human)<br>(Reference: Dangerous Properties of Industrial Materials 7 <sup>th</sup> Edition) |

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### 12. ECOLOGICAL INFORMATION

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| <b>Ecotoxicity</b> | No information available.<br>Avoid contaminating waterways |
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### 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS. If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

### 14. TRANSPORT INFORMATION

#### Road and Rail Transport

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



|                                       |   |
|---------------------------------------|---|
| <b>UN No.</b>                         | 1719  |
| <b>Proper Shipping Name</b>           | CAUSTIC ALKALI LIQUID N.O.S (Contains Potassium Hydroxide)  |
| <b>Hazchem Code</b>                   | 2R  |
| <b>Class</b>                          | 8 Corrosive   |
| <b>Packing Group</b>                  | II  |
| <b>Emergency Response Guide No:</b>   | 37  |
| <b>Limited Quantities Segregation</b> | 1 L   |
| <b>Dangerous Goods</b>                | Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply. |

### 15. REGULATORY INFORMATION

|                       |  |
|-----------------------|--|
| <b>Classification</b> | Poisons Schedule: Schedule 6 according to the Poisons Standard October 2020  |
|                       | Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) |



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### 16. OTHER INFORMATION

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|----------------------------|---|
| <b>Contact Point</b>       | Moffat Pty. Ltd. Phone (03) 9518 3888<br>24 hour medical emergency 13 11 26 |
| <b>Date of preparation</b> | 5 <sup>th</sup> May 2022  |