1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: DISHWASHING LIQUID – PREMIUM

Synonyms
Dishwashing liquid premium

Recommended use: Detergent for manual dishwashing

Supplier Name CLEAN PLUS CHEMICALS PTY LTD
Address 16 George Young Street AUBURN NSW 2144
Telephone 02 9738 7444
Fax 02 9644 1777
Emergency 1800 201 700
Email customerservice@cleanplus.com.au
Web Site www.cleanplus.com.au

2. HAZARDS IDENTIFICATION

THIS MATERIAL IS NON HAZARDOUS ACCORDING TO HEALTH CRITERIA OF SAFE WORK AUSTRALIA.
NOT CLASSIFIED AS A DANGEROUS GOODS BY THE CRITERIA OF THE ADG CODE

3. COMPOSITION/ INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Formula</th>
<th>CAS No.</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRIETHANOLAMINE DODECYLBENZENE SULPHONATE</td>
<td>C18-H3O-O3-S.8-H15-N-O3</td>
<td>27323-41-7</td>
<td>10-30%</td>
</tr>
<tr>
<td>ETHYLENE DIAMINE TETRACETATE</td>
<td>Not Available</td>
<td>64-02-8</td>
<td>1-10%</td>
</tr>
<tr>
<td>COCONUT ALKANOLAMINE</td>
<td>Not Available</td>
<td>8051-30-7</td>
<td>1-10%</td>
</tr>
<tr>
<td>ETHANOL</td>
<td>Not Available</td>
<td>64-17-5</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>NON HAZARDOUS INGREDIENTS</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Remainder</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye
If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poison Information Centre or a doctor, or for at least 15 minutes.

Skin
If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.

Inhalation
If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Ingestion
For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

Advice to Doctor
Treat symptomatically

5. FIRE FIGHTING MEASURES
DISHWASHING LIQUID PREMIUM
Safety Data Sheet

Flammability
Non flammable. May evolve toxic gases if strongly heated.

Fire and Explosion
Non flammable. No fire or explosion hazard exists.

Extinguishing
Non flammable. Prevent contamination of drains or waterways.

Hazchem Code
None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage
If spilt (bulk), wear splash-proof goggles and PVC/rubber gloves. Absorb spill with sand or similar and place in sealed containers for disposal. Wash spill site down with water. For small amounts, dilute with water and flush to sewer. Caution: surfaces may be slippery.

7. STORAGE AND HANDLING

Storage
Store in cool, dry, well ventilated area, removed from acids, combustible materials and foodstuffs. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

Handling
No special handling requirements are necessary.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Stds

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Reference</th>
<th>TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>ASSCC(AUS)</td>
<td>1000 ppm</td>
<td>1880 mg/m³</td>
</tr>
</tbody>
</table>

Biological Limits
No biological limit allocated.

Engineering Controls
Ensure adequate natural ventilation.

PPE
Wear splash-proof goggles and PVC or rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>VISCOUS YELLOW LIQUID</td>
</tr>
<tr>
<td>Odour</td>
<td>LEMON FRAGRANCE</td>
</tr>
<tr>
<td>Ph</td>
<td>6.5 – 7.5</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>100°C (Approximately)</td>
</tr>
<tr>
<td>Melting Point</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>SOLUBLE</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.98 - 1.02</td>
</tr>
<tr>
<td>Volatiles</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Flammability</td>
<td>NON FLAMMABLE</td>
</tr>
<tr>
<td>Flash Point</td>
<td>NOT RELEVANT</td>
</tr>
<tr>
<td>Upper Explosion Limit</td>
<td>NOT RELEVANT</td>
</tr>
<tr>
<td>Lower Explosion Limit</td>
<td>NOT RELEVANT</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under recommended conditions of storage.

Conditions to Avoid
Avoid heat, sparks, open flames and other ignition sources.

Material to Avoid
Compatible with most commonly used materials. Incompatible with acids (eg. Hydrochloric acid) and combustible/flammable materials.

Decomposition
May evolve toxic gas if heated to decomposition.
11. TOXICOLOGICAL INFORMATION

Health Hazard Low irritant - low toxicity. No adverse health effects are anticipated with normal use of this product.

Eye Irritant. Due to product form and nature of use, an eye hazard is not anticipated. However, direct contact may result in irritation, lacrimation and conjunctivitis.

Inhalation Due to the low vapour pressure of this product, an inhalation hazard is not anticipated with normal use.

Skin Low irritant. Prolonged or repeated contact may result in mild irritation.

Ingestion Low toxicity. Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation.

Toxicity Data

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 (Ingestion):</th>
<th>LD50 (Skin):</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRIETHANOLAMINE DODECYLBENZENE SULPHONATE (27323-41-7)</td>
<td>&gt;10800 mg/kg (rat)</td>
<td>23220 mg/kg (rabbit)</td>
</tr>
<tr>
<td>ETHANOL (64-17-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 (Inhalation): 20000 ppm/10 hours (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LCLo (Inhalation): 21900 (guinea pig)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 (Ingestion): 3450 mg/kg (mouse)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 (Intraperitoneal): 3600 ug/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 (Intravenous): 1440 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 (Subcutaneous): 8285 mg/kg (mouse)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LDLo (Ingestion): 1400 mg/kg (human)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LDLo (Intraperitoneal): 3000 mg/kg (dog)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LDLo (Intravenous): 1600 mg/kg (dog)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LDLo (Skin): 20 g/kg (rabbit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LDLo (Subcutaneous): 19440 (infant)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TCLo (Inhalation): 20000 ppm/7 hours (1-22 days pregnant rat – reproductive)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TDLo (Ingestion): 50 mg/kg (Human)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Environment This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities. Not expected to bioaccumulate.

Persistence/ Degradability This product is readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste Disposal No special precautions are required for the disposal of this product. However, re-use where possible or return to manufacturer. If bulk quantities are required to be disposed of, contact the manufacturer for additional information.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

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

<table>
<thead>
<tr>
<th>Shipping Name</th>
<th>UN No.</th>
<th>Packing Group</th>
<th>DG Class</th>
<th>Hazchem Code</th>
<th>Subsidiary Risk(s)</th>
<th>EPG</th>
</tr>
</thead>
<tbody>
<tr>
<td>None Allocated</td>
<td>None allocated</td>
<td>None Allocated</td>
<td>None Allocated</td>
<td>None Allocated</td>
<td>None Allocated</td>
<td>None Allocated</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).
16. OTHER INFORMATION

Additional Information

ABBREVIATIONS:
ADB - Air-Dry Basis.
BEI - Biological Exposure Indice(s)
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
CNS - Central Nervous System.
EINECS - European Inventory of Existing Commercial Substances.
GHS – Globally Harmonized System
IARC - International Agency for Research on Cancer.
M - moles per litre, a unit of concentration.
mg/m³ - Milligrams per cubic meter.
NOS - Not Otherwise Specified.
NTP - National Toxicology Program.
OSHA - Occupational Safety and Health Administration.
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm - Parts Per Million.
RTECS - Registry of Toxic Effects of Chemical Substances.
TWA/ES - Time Weighted Average or Exposure Standard.

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

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

Report Status

This Safety Data Sheet document has been compiled by Clean Plus Chemicals. Further clarification regarding any aspect of this
product should contact Clean Plus Chemicals directly. While Clean Plus Chemicals has taken all due care to include accurate and
up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible,
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