1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name: RJS PRODUCTS PTY LTD
Address: 63 Christina Road  VILLAWOOD NSW  2163
Telephone: 02 9723 2001
Fax: 02 9723 2003
Emergency: 1800 201 700
Email: admin@rjsproducts.com.au
Synonym(s): SODIUM HYDROXIDE • PRODUCT CODE – 570
Use(s): ALKALINE DEGREASER AND CLEANER FOR CONCRETE FLOORS, GARAGES, DRIVEWAYS, WORKSHOPS.
MSDS Date: 24 March 09

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC CRITERIA

RISK PHRASES

R35 Causes severe burns

SAFETY PHRASES

S1/2 Keep locked up and out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39 Wear suitable protective clothing, gloves and eye face protection
S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No.: 1823  DG Class: 8  Subsidiary Risk(s): None Allocated
Packing Group: II  Hazchem Code: 2X  EPG: 8A1

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>SODIUM HYDROXIDE</td>
<td>Na-OH</td>
<td>1310-73-2</td>
<td>99-100%</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. To protect rescuer, use an Air-line respirator where an inhalation risk exists. 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
CORROSIVE POISONING TREATMENT: Immediate treatment preferably in a hospital is mandatory. In treating corrosive poisoning. DO NOT INDUCE VOMITING; DO NOT ATTEMPT GASTRIC LAVAGE; and DO NOT ATTEMPT TO NEUTRALISE THE CORROSIVE SUBSTANCE. Vomiting will increase the severity of damage to the oesophagus as the corrosive substance will again come in contact with it. Attempting gastric lavage may result in perforating either the oesophagus or stomach.

First Aid Facilities
Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

Flammability
Under fire conditions this product may emit toxic and or corrosive fumes.

Fire and Explosion
May evolve flammable hydrogen gas in contact with some metals. If product is present in a fire, toxic gases may be evolved. Evacuate area and contact emergency services. Remain upwind & notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Extinguishing
Extinguish fire with foam, dry chemical powder, carbon dioxide, water fog or water spray.

PPE Code
2X

6. ACCIDENTAL RELEASE MEASURES

Spillage
If spilt (bulk), contact emergency services if appropriate. Wear splash-proof goggles and PVC/rubber gloves, an Air-line respirator (where an inhalation risk exists). If in solution, absorb spill with sand or similar and place in sealed containers for disposal. If product in solid form, use dustless methods such as vacuum to collect the material and place into suitable labeled container. If contamination of sewers or waterways occurs inform the local water authorities in accordance with local regulations.

7. STORAGE AND HANDLING

Storage
Store in cool, dry, well ventilated area away from extremes of temperature, heat, ignition sources and incompatible materials. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Large storage areas should be bunded and have appropriate ventilation systems.

Handling
Before use carefully read the product label. Avoid breathing in dust or mist. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Stds
Sodium Hydroxide (Peak limitation) TWA:2.0mg/m3 (Reference: ASCC(AUS))

Biological Limits
No biological limit allocated.

Engineering Controls
Ensure adequate natural ventilation. Maintain vapour levels below the recommended exposure standard.

PPE
Wear splash-proof goggles and PVC or rubber gloves, face shield and coveralls. Where an inhalation risk exists, wear a type A (organic vapor) respirator.
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>WHITE SOLID PEARL SHAPED PELLETS</td>
</tr>
<tr>
<td>Odour</td>
<td>NOT APPLICABLE</td>
</tr>
<tr>
<td>Ph</td>
<td>12.5 - 13.5 (1% SOLUTION)</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>1388°C</td>
</tr>
<tr>
<td>Melting Point</td>
<td>318°C</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>54% APPROXIMATE</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>2.12</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: Incompatible with oxidizing agent (e.g. hypochlorite, peroxide), acids (e.g. Hydrochloric acid), heat and ignition sources. Also incompatible with aluminium, tin, zinc and nitro compounds.
- Decomposition: May evolve toxic gas if heated to decomposition.
- Hazardous Reactions: Polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

- Health Hazard: Highly corrosive. Use safe work practices to avoid eye or skin contact. This product has the potential to cause severe skin and eye burns with possible permanent tissue damage.
- Eye: Corrosive. Contact may result in irritation, lacrimation, pain, redness and conjunctivitis. Prolonged contact may result in corneal burns and possible permanent damage.
- Inhalation: Inhalation of dusts or mists may result in mucous membrane irritation of the nose and throat with coughing. At high levels nausea, dizziness and chemical burns to the respiratory tract.
- Skin: Corrosive. Prolonged or repeated contact may result in drying the skin, rash, dermatitis and chemical burns.
- Ingestion: Highly corrosive. Ingestion will cause severe chemical burns to the mouth and throat, nausea, vomiting, abdominal pain and diarrhea. Ingestion of large quantities may result in ulceration, unconsciousness, convulsion, and death.
- Toxicity Data: SODIUM HYDROXIDE (1310-73-2)
  - LDLo (Ingestion): 500mg/kg (rabbit)

12. ECOLOGICAL INFORMATION

- Environment: Not Available
13. DISPOSAL CONSIDERATIONS

Waste Disposal  For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

Legislation  Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<table>
<thead>
<tr>
<th>Shipping Name</th>
<th>SODIUM HYDROXIDE SOLID</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
<td>1823</td>
</tr>
<tr>
<td>DG Class</td>
<td>8</td>
</tr>
<tr>
<td>Subsidiary Risk(s)</td>
<td>None Allocated</td>
</tr>
<tr>
<td>Packing Group</td>
<td>II</td>
</tr>
<tr>
<td>Hazchem Code</td>
<td>2X</td>
</tr>
<tr>
<td>EPG</td>
<td>8A1</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

Poison Schedule  Classified as Schedule 6(S6) Poison 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 chemical Substances.
- IARC - International Agency for Research on Cancer.
- M - moles per litre, a unit of concentration.
- mg/m³ - Milligrams per cubic metre.
- 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 CleanPlus Detergents 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 CleanPlus Detergents 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 Material Safety Data Sheet document has been compiled by CleanPlus Detergents. Further clarification regarding any aspect of this product should contact CleanPlus Detergents. While CleanPlus Detergents has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, CleanPlus Detergents accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

End of Report

Prepared By

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