PRODUCT NAME: PANCLEAN

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name: JOHNSONDIVERSEY AUSTRALIA PTY LTD
Address: 29 Chifley St, Smithfield, NSW, AUSTRALIA, 2164
Telephone: (02) 9757 0300
Fax: (02) 9725 5767
Emergency: 1800 033 111 (24 hrs)
Email: http://www.johnsondiversey.com

Synonym(s): HH15389 PANCLEAN 4X5L, HH15391 PANCLEAN 6X750ML
Use(s): CLEANING AGENT, DISHWASHING DETERGENT

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

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

UN No.: None Allocated
DG Class: None Allocated
Subsidiary Risk(s): None Allocated
Pkg Group: None Allocated
Hazchem Code: None Allocated
EPG: None Allocated

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Formula</th>
<th>Conc.</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>Na-OH</td>
<td>&lt;2.5%</td>
<td>1310-73-2</td>
</tr>
<tr>
<td>NON HAZARDOUS INGREDIENTS</td>
<td>Not Available</td>
<td>&lt;85%</td>
<td>Not Available</td>
</tr>
<tr>
<td>BENZENESULPHONIC ACID, C10-C16 ALKYL DERIVATIVES</td>
<td>Not Available</td>
<td>&lt;14%</td>
<td>68584-22-5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye: Flush gently with running water for 15 minutes.
Inhalation: If over exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
Skin: Gently flush affected areas with water.
Ingestion: For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.
Advice to Doctor: Treat symptomatically

5. FIRE FIGHTING MEASURES

Flammability: Non flammable.
Fire and Explosion: Non flammable.
Extinguishing: Non flammable.
Hazchem Code: None
PRODUCT NAME  
**PANCLEAN**

### 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 out of direct sunlight and out of the reach of children, in a cool, dry, well ventilated area, removed from oxidising agents (eg. hypochlorites), acids (sulphuric acid), heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems.

**Handling**  
Before use carefully read the product label. 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 (eg. if container is damaged).

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation**  
Ensure adequate natural ventilation. Maintain vapour levels below the recommended exposure standard.

**Exposure Standards**  
- **SODIUM HYDROXIDE (1310-73-2)**
  - ES-TWA: 2 mg/m³ (Peak limitation)
  - WES-TWA: 2 mg/m³

**PPE**  
Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear coveralls.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** CLEAR BLUE LIQUID (750ML & 5L CONTAINERS)
- **Odour:** ODOURLESS
- **pH:** 7.0 - 8.0 (Approximately)
- **Vapour Pressure:** 18 mm Hg @ 20 C
- **Boiling Point:** 100 C (Approximately)
- **Melting Point:** < 0 C
- **Evaporation Rate:** AS FOR WATER
- **Exposure Standard:** 2 mg/m³ Sodium hydroxide
- **Solubility (water):** SOLUBLE
- **Specific Gravity:** 1.031 (Approximately)
- **% Volatiles:** > 60 % (Water)
- **Flammability:** NON FLAMMABLE
- **Flash Point:** NOT RELEVANT
- **Upper Explosion Limit:** NOT RELEVANT
- **Lower Explosion Limit:** NOT RELEVANT
- **Autoignition Temperature:** NOT AVAILABLE

### 10. STABILITY AND REACTIVITY

**Reactivity**  
Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).

**Decomposition Products**  
May evolve toxic gases if heated to decomposition.

### 11. TOXICOLOGICAL INFORMATION

**Health Hazard Summary**  
This product may only present a hazard with direct eye contact, prolonged and repeated skin contact or with vapour inhalation at high levels. Chronic effects are not anticipated.

**Eye**  
Exposure may result in lacrimation, irritation, pain and redness.

**Inhalation**  
Over exposure to mists or vapours (if sprayed) may result in mucous membrane irritation of the nose and throat with coughing. At high levels nausea, dizziness and headache. Low product vapour pressure (low volatility), considerably reduces the potential for an inhalation hazard.

**Skin**  
Prolonged and repeated contact may result in drying and defatting of the skin with rash and dermatitis.
PRODUCT NAME  PANCLEAN

Ingestion  With large doses ingestion may result in nausea, vomiting and gastrointestinal irritation.
Toxicity Data  No LD50 data available for this product.

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, however larger quantities may cause foaming of waterways with adverse effects on aquatic life. At high levels, may dissolve oils on bird feathers with potential for bird to drown. Not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

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

Legislation  Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Shipping Name  None Allocated
UN No.  None Allocated  Hazchem Code  None Allocated  Pkg Group  None Allocated
DG Class  None Allocated  Subsidiary Risk(s)  None Allocated  EPG  None Allocated

15. REGULATORY INFORMATION

Poison  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).
Schedule  All chemicals listed on the Australian Inventory of Chemical Substances (AICS).
AICS  AICS

16. OTHER INFORMATION

Additional Information  ABBREVIATIONS:
mg/m³ - Milligrams per cubic metre
ppm - Parts Per Million
TWA/ES - Time Weighted Average or Exposure Standard.
CNS - Central Nervous System
NOS - Not Otherwise Specified
pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
M - moles per litre, a unit of concentration.
IARC - International Agency for Research on Cancer.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this Chem Alert 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.

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 Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Report Status  This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT 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, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a result of the information contained in this MSDS.
PRODUCT NAME  PANCLEAN

consequence of their reliance on the information contained in this MSDS.

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MSDS Date: 01 April 2006

End of Report