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Material Safety Data Sheet

PALACE JET EXTRA
DISHWASHING LIQUID

Recommended use: Machine dishwashing liquid for hard water areas-phosphate free

Hazardous Identification

Classified as hazardous according to the criteria of NOHSC and classified as dangerous goods according to the Australia dangerous goods code.

Risk phase: R35 Causes severe burn

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 advise.

S37/39 Wear suitable gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advise immediately.

Composition/information on Ingredients

<u>Ingredient</u>	<u>CAS Number</u>	<u>Proportion</u>
Sodium Hydroxide	1310-73-2	less than10%
Non Hazardous Ingredients		10-30%
Water		up to 100%

First aid measures

Ingestion: if swallowed, do not induce vomiting.

Eyes: If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Seek urgent medical assistance.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Advice to Doctor: Treat symptomatically as for strong alkali. Can cause corneal burn mucosal damage may contraindicate the use of a gastric lavage.

First Aid Facilities: Eye wash station, fresh water

Long term effects: none known.

Fire fighting measures

General comments: The product is non combustible.

Specific Hazards: The product is a strong alkali and will react with aluminum to produce hydrogen, a flammable gas.

Hazchem code: 2R

Accidental Release Measures

Personal Precautions: Keep unnecessary personnel away.

Spill and disposal: Slippery when wet. Spills and residues may be washed away with large quantities of water.

Handling and storage

Handling: Always add product to water. Minimize direct contact with product.

Storage: Always replace lid on container after use.

Hygiene Measures: Always wash hands before eating, drinking, smoking or using the toilet.

Exposure Controls- personal Protection

National Exposure standards: TWA of 2mg/m³ as sodium Hydroxide

Engineering Controls: Avoid generation and inhalation of mists and aerosols.

Personal Protection:

Eyes: Face Shield

Hands: PVC, Nitrile or rubber gloves

Skin: PVC, Nitrile or rubber splash apron and rubber boots.

Physical and chemical properties

Appearance: Yellow liquid

Odour: Nil

pH: 1 % solution 13.5

Vapour Density: Not applicable

Vapour pressure: not applicable

Boiling point: 100°C

Melting point: not applicable

Solubility: complete soluble in water

Specific gravity: 1.3

Stability and Reactivity

Chemical stability: the product is stable under normal conditions.

Conditions to avoid: Always add product to water.

Incompatible Materials: The product will rapidly dissolve aluminum highly flammable hydrogen gas.

Hazardous Reaction: Reacts violently with acids liberating heat.

Toxicological Information

Exposure limits: Oral lowest lethal dose (rabbit):125mg/kg

LD50 Oral:(mouse):40mg/kg(as sodium hydroxide)

Skin: Rabbit 500mg/24 hours: Severe

Ingestion (acute): Highly corrosive. Low systemic toxicity. Produces burning in the Mouth and esophagus, nausea, vomiting, Abdominal pain, oedema (swelling of the larynx) with subsequent suffocation, coma and cardiovascular collapse.

Eye (acute): A severe eye irritant Highly corrosive to eyes. May cause Conjunctivitis, corneal burns and ulceration. Permanent eye Damage, including loss of sight, may occur.

Skin (acute) Highly corrosive to skin. Irritant dermatitis may result from working With this material. Produces burns, deep ulcerations and gelatinous Necrotic areas at the site of contact. Skin contact can result in little Or no pain thus contamination of gloves or boots can be very damaging.

Inhalation (acute): Not considered a feature of normal use. Inhalation of sprays or mists Will result in respiratory irritation and possible harmful corrosive effects including lesions and nasal septum. Pulmonary oedema, pneumonitis and emphysema.

Chronic effects: Repeated or prolonged skin contact can cause chronic dermatitis

Ecological Information

Environmental Protection This substance may be hazardous to the environment.

Disposal Considerations

Disposal methods: Disposal of this product and solutions of the product should at all times comply with requirements of environmental protection and waste disposal Legislation as well as requirements by local authorities. Dispose of via licensed waste disposal carriers.

UN Number: 1824
UN Proper
Shipping Name: sodium hydroxide, solution
Class: 8
Subsidiary Risk: None allocated
Packing group: II
Special Precautions: Ensure containers are clearly labeled. Keep containers securely sealed and protected against.
For user: Physical damage. Store away from acids. Do not use Aluminum or galvanized containers. Steel and plastic containers suitable.
Hazchem Code: 2R
IERG Number: 37

Regulatory Information

Packaging & Labeling: This product contains a scheduled poison (S6) and must therefore be stored, maintained and used in accordance with the relevant state poisons act. Defined as a dangerous good by the Australian code for the transport of dangerous goods by road or rail.

24Hr emergency contact: poison information centre (Australia) 13 1126

Legal Disclaimer:

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control. **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**

September 2009