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Rimon Australia Pty Ltd trading as A Plus Chemical & Fragrances A.C.N. 079 942 537

SAFETY DATA SHEET

Product Name: Caustic Soda (Pearl)

1. Identification of the Material and Supplier:

Other Name: Sodium Hydroxide (Pearl), Caustic Soda Lye, Sodium Hydrate
Product Use: Drain cleaner, soap making agent, paint remover.
Supplier Name: **A Plus Chemicals and Fragrances**
Address: **Unit 3, 237 Collier Road, Bayswater WA 6053 AUSTRALIA**
Telephone: **08 9370 4829**
Fax: **08 9375 3350**
Emergency: **Israel Sasson 0410 302 200 (a/h)**

2. Hazards Identification:

Pictogram

Corrosive



GHS Signal word: DANGER

Hazardous Classifications

Corrosive to Metals – Category 1
Skin Corrosion/Irritation – Category 1A
Serious Eye Damage/Irritation – Category 1

Hazard Statements

- H 290 May be corrosive to metals.
H 314 Causes severe skin burns and eye damage.

Prevention Precautionary Statements

- P102 Keep out of reach of children.
P103 Read label before use
P234 Keep only in original container.
P260 Do not breathe dust.
P264 Wash contacted areas thoroughly after handling.
P280 Wear protective clothing, gloves and eye/face protection and suitable respirator.

Response Precautionary Statements

- P101 If medical advice is needed, have product container or label at hand
P363 Wash contaminated clothing before reuse.
P301+P330+P331 IF SWALLOWED: Rinse mouth out. DO NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+ P351+P338 IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. Continue rinsing.
P390 Absorb spillage to prevent material damage.
P391 Collect spillage.

Storage Precautionary Statements

- P405 Store locked up
P406 Store in corrosive resistant container with a resistant inner liner.

Disposal Precautionary Statements

- P501 Dispose of contents/container in accordance with local, regional, national and international regulation

Poisons Schedule: S6. Poison

DANGEROUS GOODS CLASSIFICATION

Classified as Dangerous Goods by the criteria of the “Australian Code for the Transportation of Dangerous Goods by Road and Rail”

Dangerous Goods Class: 8

3. Composition/Information on Ingredients:

Chemical Entity	Cas. No.	Proportion
Sodium hydroxide	1310-73-2	< 99%
Ingredients determined to be non-hazardous		Balance

4. First Aid Measures

If poisoning occurs, contact a doctor or Poison Information Centre (phone Australia 131 123)

Inhalation: 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 attention if effects persist.

Skin Contact: If skin or hair contact occurs, immediately 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 in 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.

Eye Contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water 15 minutes. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

Ingestion: Rinse mouth with water. If swallowed do NOT induce vomiting. Give a glass of water to drink. Never give anything by mouth to an unconscious patient. If vomiting occurs, give further water. Seek medical advice.

Advice to Doctor: Treat symptomatically. Can cause corneal burns.

5. Fire Fighting Measures:

Hazchem Code: 2W

Suitable extinguishing media: If material is involved in a fire use water to fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material.

Fire fighting further advice: Not applicable.

6. Accidental Release Measures:

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 towel). 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 dust. Work up wind or increase ventilation. Contain – prevent run off into drains and waterways. Use absorbent (inert material, sand or soil). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred, advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 37

7. Handling and Storage:

Handling: Avoid skin and eye contact. Avoid inhalation of dust

Storage: Store in a cool, dry well-ventilated area 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. Keep container standing upright. Keep closed when not in use – check regularly for spills.

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 and Rail” and must be stored, maintained and used in accordance with the relevant regulations.

This material is a Scheduled Poison Schedule 6 (Poison) and must be stored, maintained and used in accordance with the relevant regulations.

8. Exposure Controls/Personal Protection:

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Sodium hydroxide	-	2 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 Limits) – 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 the product manufacture.

Biological Limit Values: As per the “National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)” the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing appropriate respirator.

Personal Protection Equipment: GLOVES, APRON, CHEMICAL GOGGLES, RESPIRATOR.

Wear gloves, apron, chemical goggles and respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves should be made from nitrile rubber, polyvinyl chloride (PVC) 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 dust/soil. Ensure that eyewash stations and safety showers are close to the workstations.

9. Physical and Chemical Properties:

Physical State:	Solid
Colour:	White
Odour:	None
Water Solubility:	Miscible in water
Relative Vapour Density (air=1)	Not Available
Vapour Pressure (20°C):	Not Available
Flash Point:	Not Applicable
Flammability Limits (%):	Not Applicable
Autoignition Temperature (°C):	Not Applicable
Melting Point (°C):	Not Available
Boiling Point (°C):	1390°C
pH	12.7% (1% w/w)

10. Stability and Reactivity:

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and source ignitions

Incompatible materials: Oxidising agents

Hazardous decomposition products: Oxides of carbon, nitrogen, smoke and other toxic fumes.

Hazardous reactions: No known hazardous reactions

11. Toxicological Information:

No Adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects:

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin will result in severe irritation. Corrosive to skin – may cause burns.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury. Exposure to dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients) >5mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on Ingredients): >2000 mg/Kg

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on Ingredients): >2000 mg/Kg

Corrosion/Irritancy: Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes). Skin: This material has been classified as a Category 1A Hazard (irreversible effects to skin)

Sensitisation: Inhalation: This material has been classified as not a respiratory sensitiser. Skin: This material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous

Carcinogenicity: This material has been classified as non-hazardous

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. Ecological Information:

Avoid contaminating water ways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): > 100mg/L

Long-term aquatic hazard: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): > 100mg/L, where the substance is not rapidly degradable and/or BFC < 500 AND/OR LOG k_{ow} < 4.

Ecotoxicity: No information available

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility: No information available

13. Disposal Considerations:

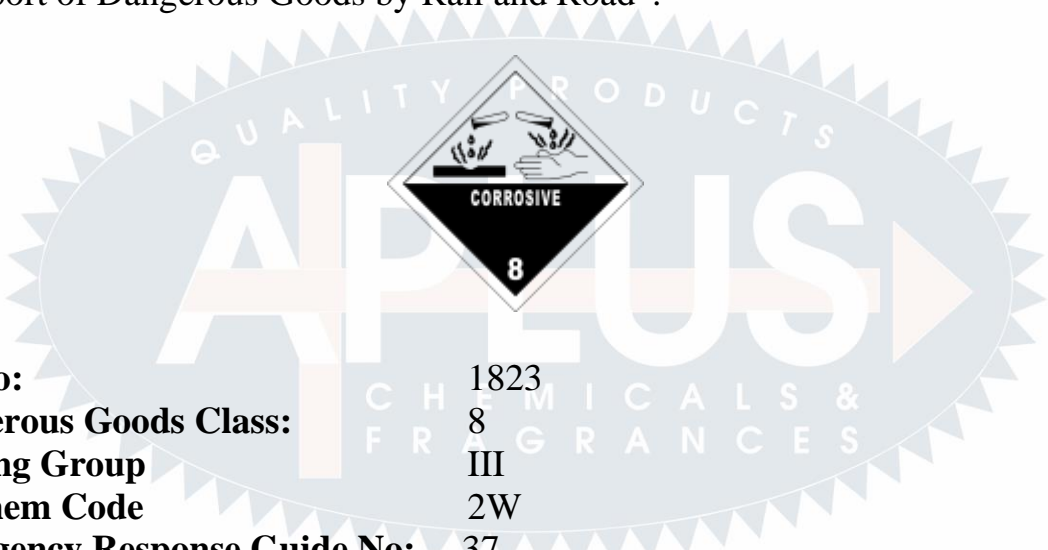
Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see “Section 8. Exposure Controls and Personal Protection” of this SDS

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose of in accordance with local, regional, national and international Regulations.

14. Transport Information:

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the “Australian Code for the Transport of Dangerous Goods by Rail and Road”.



UN No: 1823
Dangerous Goods Class: 8
Packing Group III
Hazchem Code 2W
Emergency Response Guide No: 37

Proper Shipping Name: SODIUM HYDROXIDE SOLID

Segregation Dangerous Goods: 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 apply.

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime of Dangerous Goods Code (IMDG) for transport by sea.



UN No: 1823
Dangerous Goods Class: 8
Packing Group II
Proper Shipping Name: SODIUM HYDROXIDE SOLID

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



UN No: 1823
Dangerous Goods Class: 8
Packing Group II
Proper Shipping Name: SODIUM HYDROXIDE SOLID

15. Regulatory Information:

HSNO Group Standard: HSR002526 – Cleaning Products (Corrosive) Group Standard 2006

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)

International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent/s is covered by the following requirements:

- The Standard for Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth)
- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS)

16 Other Information:

KEEP ALL CHEMICALS AWAY FROM CHILDREN

EMERGENCY CONTACT: Israel Sasson

A Plus Chemicals & Fragrances

A/h 0410 302 200

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.

END OF MSDS