Natural Choice Products Ltd

Safety Data Sheet
Caustic Powder

1.IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Caustic Powder
Recommend Use:	Heavy duty grease sodium hydroxide base cleaning products,
Supplier Name:	Natural Choice Products Ltd
Address:	4/26 Bancroft Crescent, Glendene, Auckland
Telephone:	(+64) 9 441 4238
Website:	www.naturalchoice.co.nz
Emergency Phone:	National Poisons Centre 0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

GHS Classification

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land. Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017 and the Hazardous Substances (Classification) Notice 2017. EMERGENCY OVERVIEW
HAZARD
DANGER

Determined by Chemwatch using GHS/HSNO criteria:
6.1D,8.1A,8.2B,8.3A,9.1D,9.3C

May be corrosive to metals.
Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.
Harmful to terrestrial vertebrates.

PRECAUTIONARY STATEMENTS
Prevention
Keep only in original container.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.

Storage:
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Concentration %w/w	Risk Phrases
Sodium hydroxide	1310-73-2	100	R35, R41

Other ingredients, determined not to be hazardous subject to the provisions of the Hazardous Substances (Identification) Regulations 2001, make up the product concentration to 100%.

4. FIRST AID MEASURES

For advice, contact National Poisons Centre (0800 POISON; 0800 764 766) or a doctor. Have product container or label available.

Swallowed
- Immediately rinse mouth with water.
- If swallowed, do NOT induce vomiting. Give a glass of water.
- Seek immediate medical assistance.

Skin
- If spilt on large areas of skin or hair, immediately drench with running water and remove clothing.
- Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.
- For skin burns, cover with a clean, dry dressing until medical help is available.

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

Inhalation
- Remove victim from area of 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. If patient finds
- breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis),
- ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

Advice to Physician
Treat symptomatically, Can cause corneal burns

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Hazchem or Emergency Action Code: 2W

Specific hazards arising from the chemical:
Corrosive substance. Non-combustible material.

Special protective equipment and precautions for fire-fighters:
Decomposes on heating emitting toxic fumes, including those of oxides of sodium. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/Environmental precautions:
Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:
Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating
dust. Collect and seal in properly labelled containers or drums for disposal. Caution - heat may be evolved on contact with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

- Avoid skin and eye contact and breathing in dust.
- Keep out of reach of children.
- There is a risk of splash-back causing injury if Pearl Caustic Soda is added to HOT water.

Conditions for safe storage, including any incompatibilities:

- Store in a cool, dry, well ventilated place. Store away from foodstuffs.
- Store away from incompatible materials described in Section 10.
- Keep containers closed when not in use - check regularly for spills.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

EXPOSURE CONTROLS

Source	Material	TWA ppm	TWA mg/m³	STEL mg/m³	STEL ppm	Peak mg/m³
New Zealand Workplace Exposure Standards (WES)	Sodium hydroxide					2

The following materials had no OELs on our records
Water: CAS: 7732- 18- 5

As published by the New Zealand Workplace Health & Safety Authority.

WES - Ceiling (Workplace Exposure Standard - Ceiling). A concentration that should not be exceeded during any part of the working day.

These Workplace 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 workplace 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.

Appropriate engineering controls:
Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

Individual protection measures, such as Personal Protective Equipment (PPE):
The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, DUST MASK.

Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dusts. If determined by a risk assessment an inhalation risk exists, wear a dust mask/respirator meeting the

requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Colour:	Clear/white
Odour:	Faint Odour
Solubility:	Soluble in water
Melting Point:	318°C
Vapour pressure:	<24 hPa @20°C
Specific gravity:	2.13 @20°C
Flash point	Not Available
Vapour density	1.38
PH	PH≥ PH12

10. STABILITY AND REACTIVITY

Chemical stability: Stable.
Hygroscopic: absorbs moisture or water from surrounding air.

Conditions to avoid:

- Avoid dust generation.
- Avoid exposure to moisture.
- Avoid contact with foodstuffs.

Incompatible materials:
Incompatible with ammonium salts, acids, chlorinated hydrocarbons, aluminum, zinc, lead, tin, and their alloys.

Hazardous decomposition products:
None known.

Hazardous reactions:

- Reacts with ammonium salts, evolving ammonia gas.
- In the presence of moisture, the material is corrosive to aluminum, zinc and tin producing highly flammable hydrogen gas.
- May react violently with acids and chlorinated hydrocarbons.
- Can react vigorously with water.

11. TOXICOLOGICAL INFORMATION

No adverse health effects 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:

Ingestion:
Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to 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.
Skin contact: Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

Inhalation:
Breathing in dust may result in respiratory irritation.

Long Term Effects:
No information available for the product.

Toxicological Data: No LD50 data available for the product.

12. ECOLOGICAL INFORMATION

This material and its container must be disposed of as hazardous waste
Ecotoxicity Avoid contaminating waterways

13. DISPOSAL CONSIDERATION

- Recycle where possible
- Otherwise ensure that:
- licensed contractors dispose of the product and its container.
- disposal occurs at a licenced facility

14. TRANSPORT INFORMATION

Proper Shipping Name CORROSIVE,
UN No: 1823
Dangerous Goods Class: 8 Corrosive
Hazchem Code: 2W
Packing Group: II
Labels Required: CORROSIVE
HAZCHEM:
2R
Land Transport UNDG:
Class or division: 8 UN No.: 1719
UN packing group: II

15. REGULATORY INFOMATION

ERMA NZ Registration Number:	HSR001547
ERMA Group Standard:	Hazardous Substances (Classification) Notice 2017 Hazardous Substances (Minimum Degrees of Hazard) Notice 2017
HSNO Classifications:	6.1D: Substances that are acutely toxic - Harmful 8.1A: Substances that are corrosive to metals 8.2B: Substances that are corrosive to dermal tissue UN PGII 8.3A: Substances that are corrosive to ocular tissue 9.1D: Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action 9.3C: Substances that are harmful to terrestrial vertebrates

16. OTHER INFORMATION

Date of previous issue: 13/01/2019
New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766] New Zealand Emergency Services: 111
For General Information: Natural Choice Products Ltd PH: (09) 441 4238

Natural Choice Products Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulation.