

AGMAX INDUSTRIES LTD
Alkali Sachets
SAFETY DATA SHEET

Issue Date: September 2014

1. Product and Company Information

Product Name: Agmax Alkali Sachets

Proper Shipping Name: Sodium Hydroxide Powder

Synonyms: Alkaline detergent

Recommended Use: Chlorinated Alkaline powder / Cleaner

Manufacturer: Agmax Industries Limited

Address: 63b Allens Road, East Tamaki, Manukau City 2141, Auckland

Telephone Number: 09 271 5290

Facsimile Number: 09 271 5293
0508 524 824 Monday – Friday 8:00 am – 5:00 pm

NZ Emergency Number: 0800 243 622 (24 hours)

Website: www.agmax.co.nz

Email: info@agmax.co.nz

2. Hazards Identification

Dangerous Goods Class: 8 UN No. 1823
 Hazchem: 2R NOTS: 211022

HSNO Classification and 6.1D, 8.1A, 8.2B, 8.3A, 9.1D, 9.3C

Hazard Statements: **6.1D Acute Toxicity (Oral)**
 H302 Harmful if swallowed
 H312 Harmful in contact with skin
 H332 Harmful if inhaled

8.1A Metallic corrosive
 H290 May be corrosive to metals

8.2B Dermal corrosive (skin)
 H314 Causes sever skin burns and eye damage

8.3A Ocular corrosive
 H318 Causes serious eye damage

9.1D Toxic to Aquatic environment
 H413 May cause long lasting harmful effects to aquatic life

Prevention statements P102 Keep out of reach of children

- P103 Read label before use
 P234 Keep only in original container
 P260 Do not breathe dust
 P261 Avoid breathing dust when opening sachets for mixing
 P264 Wash hands thoroughly after handling
 P270 do not eat, drink, smoke when using this product.
 P271 Use only outdoors or in a well ventilated area
 P273 Avoid release to the environment
 P280 Wear protective gloves, clothing, eye and breathing protection

Response statements

- P101 If medical advise is needed, have product container or label at hand
 P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
 P330 Rinse mouth
 P302+P352 IF ON SKIN: wash with plenty of soap and water
 P312 Call a POISON CENTER or doctor if you feel unwell
 P322 Specific measures (see First Aid instruction on outer container)
 P363 Wash contaminated clothing before re-use
 P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
 P390 Absorb spillage to prevent material damage
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P303+P361+P353 IF ON SKIN (or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water / shower
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 Immediately call a POISON CENTER or doctor / physician
 P321 Specific measures (refer to First Aid section of the label / outer packaging)

Storage statements

- P406 Store in corrosive resistant container with a resistant inner liner

Disposal statement

- P501 Dispose of empty containers safely in accordance with local regulations.

3. Composition / Information on Ingredients

Appearance: White granular powder with a chlorine odor

CAS No: **1310-73-2** Sodium Hydroxide > 50 %
51580-86-0 Sodium Dichloroisocyanurate < 20 %
 Surfactants and Sequestering agents to 100 %

4. First Aid Measures

If medical advice is needed, have product container or label on hand

Refer First Aid instructions on label

Ingestion:

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Drink plenty of water/milk, then drink vegetable oil or olive oil.

Immediately call a POISON CENTER or doctor/physician

Eye Contact:

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

Skin Contact:

IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water. Wash clothing before reuse.

Inhalation:

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

Note to Physician:

Treat symptomatically.

5. Fire-Fighting Measure:**Specific Hazards:**

Reacts readily with water, emitting toxic fumes.

Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.

Product is eruptive in nature when reacting, explosive if located in a confined space.

Suitable**Extinguishing Media:**

Water Spray, foam, carbon dioxide or dry chemical powder

6. Accidental Release Measures:**Spill Cleanup Methods:**

Contain and absorb. Avoid contamination of waterways. Small quantities can be neutralized with copious amounts of water

7. Handling and Storage:**Handling:**

Corrosive – Non flammable

Avoid spilling, skin and eye contact. Wear protective clothing, including elbow length PVC gloves and suitable eye protection.

Use with adequate ventilation – avoid creation and inhalation of dusts.

After use wash hands before eating, drinking or smoking.

Do not handle broken packages unless wearing appropriate personal protective equipment.

Storage:

Do not store with D.G classes 1,5,7, strong acids, food or food containers.

Store in original container, tightly closed, away from foodstuffs and out of reach of children.

8. **Exposure control / Personal Protection:**

Exposure standards: TWA 2 mg/m³ (Sod. Hydroxide)
Engineering controls: Use with adequate ventilation – avoid creation and inhalation of dusts.
Personal Protection: Wear overalls, use elbow length PVC gloves and suitable eye protection.
 Use appropriate breathing protection.

9. **Exposure control / Personal Protection:**

Appearance and Odor: White granule/powder with a Chlorine odor
Solubility in water (g/l): very soluble
Specific Gravity: 940 - 1140 g/ltr Bulk Density
pH value: 11.5 – 12.5

10. **Stability and Reactivity:**

Incompatible with a wide variety of materials including acids, many metals, phenols and combustible organics.
 Stable under normal ambient and anticipated storage and handling conditions.
 Incompatible with acids, peroxides, reducing agents and metal salts
 Reacts **explosively** with amines and methanol.

11. **Toxicological Information:**

Sodium Hydroxide

Intraperitoneal LD50	(mouse)	40 mg/kg
Oral Lowest Lethal Dose:	(rabbit)	500 mg/kg
Skin	(rabbit)	500 mg/24 hr severe irritation
Eyes	(rabbit)	1 mg/30sec rinse severe irritation

Highly corrosive to any tissue with which it comes into contact. Produces burns, deep ulcerations and gelatinous necrotic areas at the site of contact

12. **Ecotoxicity Information:**

Avoid contaminating waterways

13. **Disposal Considerations:**

Container disposal: Dispose of empty containers safely in accordance with local regulations.
 Triple rinse containers when empty, hold slurry.
 Avoid contamination of natural water supplies with chemical or empty container.
 After cleaning, all existing labels should be removed.

Product disposal: Adjust the pH of slurry to neutral with citric acid, separate any insoluble solids or liquids and package them for hazardous waste disposal. Flush the aqueous solutions down the drain with plenty of water.

The hydrolysis and neutralization reactions may generate heat and fumes which can be controlled by the rate of addition and good ventilation.

14. Transport Information:

UN No. 1823 SODIUM HYDROXIDE, SOLID

Dangerous Goods Class: 8 - Corrosive

Hazchem code: 2R

Packing group: II

Proper Shipping Name: Alkaline Detergent

Segregation: Don't store with D.G classes 1, 5, 7, strong acids, food or food containers.

15. NZ Regulatory Information:

ERMA Approval Code: HSR002526

Group Standard: Cleaning Products (Corrosive)

MPI approved: MPI Approved for use in farm dairies

HSNO Controls: Trigger quantities for this substance by itself in a place

Approve handler test certificate: *Not required*

Hazardous substance location: *Not required*

Location Test certificate: *Not required*

Hazardous Atmosphere Zone: *Not required*

Emergency Plan: *1000 kgs*

Tracking: *Not required*

Warning Signs: *250 kgs*

Record of application or discharge: *Not required*

16. Other Information:

New Zealand Poisons Information Center 0800 POISON (0800 764 766)

Disclaimer:

The data given relates to this product alone, and not to its use in conjunction with other substances or products. In such circumstances, assuming the combination is permitted, refer to product labels, be guided by the most hazardous of the substances involved and observe the more stringent hazard controls applicable.

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