

ZOOM ALKALI POWDER

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	:	ZOOM ALKALI POWDER
Supplier Details	:	Deosan New Zealand Ltd. 20 Seddon Street, Waharoa Telephone: 0800 336 726 (0800 DEOSAN) Fax: 07 888 5684 Email: info@deosan.co.nz
Product & Sales Enquiries	:	0800 336 726 (0800 DEOSAN)
Emergency Contact Numbers:		Company contact: 0800 DEOSAN (0800 336 726) Specialist Advice: 24 hour Emergency Response 0800 CHEMCALL (0800 243 622) Medical Advice –National Poisons Centre 0800 POISONS (0800 764 766) Ecotoxic Spillage – Call Regional Council Pollution Response Service
Product Details	:	General purpose low foaming chlorinated Alkali detergent. Formulated powder for hot cleaning of milking equipment

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of in the Hazardous Substances and New Organisms Act 1996 (HSNO)

HSNO Approval Number: HSR002526

UN Number: 3262

Dangerous Goods Class: 8

Packing Group: II

HSNO Classification:

6.1D (Harmful if swallowed)

8.1A (May be corrosive to metals)

8.2B (Causes severe skin burns and eye damage)

8.3A (Causes serious eye damage)

9.1D (Toxic to aquatic life. May cause long lasting harmful effects to aquatic life)

9.3C (Harmful to terrestrial vertebrates)



Signal Word: DANGER

Hazard Statements: Harmful if swallowed or inhaled. May be corrosive to metals. Causes severe skin burns and serious eye damage. Toxic to aquatic life. May cause long lasting harmful effects to aquatic life. Harmful to terrestrial vertebrates.

Prevention Statements: Keep out of reach of children. Read label and safety data sheet before use. Keep only in original container. Do not breathe dust/vapours. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements: If medical advice is needed, have product container or label at hand.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. 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 if unwell. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Components	CAS- No.	Concentration [%]
Sodium Metasilicate	6834-92-0	<10.0
Sodium Tripolyphosphate	7558-80-7	<10.0
Soda Ash	497-19-8	>10.0
Sodium Hydroxide	1310-73-2	>50.0
Fatty Alcohol Alkoxylate	(UN 3082)	<2.0
Sodium Gluconate	527-07-1	<1.0
Sodium Dichloroisocyanurate	2893-78-9	>5.0

4. FIRST AID MEASURES

- If Inhaled:** Remove to fresh air and keep at rest in a position comfortable for breathing.
- If Swallowed:** Swallowed product can cause nausea, diarrhoea, burns to the mouth and digestive tract. Rinse mouth. Do NOT induce vomiting. Drink large quantities of water or milk.
- If In Eyes:** Contact with eyes causes serious eye damage. Flush immediately to reduce injury. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.
- If On Skin (or Hair):** Causes severe skin burns. Wear protective clothing when handling product. Wash immediately area affected to reduce injury if contact with skin happens. Remove; take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before re use.

Immediately call a POISON CENTRE or doctor physician. Get medical attention if you feel unwell. Absorb spillage to prevent material damage.

5. FIRE-FIGHTING MEASURES

ZOOM ALKALI POWDER product is not flammable. No risk of violent reaction or explosion. Fire-fighters should wear full protective clothing suitable for chemical hazards with self contained breathing apparatus. The substance must be contained and prevented from entering drains and water courses in all circumstances.

HAZCHEM Code: 2X

6. SPILLAGE, ACCIDENTAL RELEASE MEASURES

Wear protective gloves, clothing and eye/face protection.
Keep unnecessary people away from the hazardous area.
Dike spillage area to prevent runoff and contamination of water sources; Clean up by absorbing with sand or soil, or diluting with water and then remove contaminants to a chemical disposal area.

7. HANDLING AND STORAGE

Read Label Before Use.

Handling: Wear protective gloves, clothing and eye/face protection. Do not breathe mist or vapours, use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product, wash hands thoroughly after handling.
Keep only in original container.
Do not release to the environment.

Storage: Store in corrosive resistant container with a resistant inner liner.
Store locked up.
Store away from acids

Danger – Corrosive – Keep out of reach of children

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Sodium Hydroxide: 2 mg/m³ TWA

Engineering Controls

No specific exposure controls are needed.

Personal Protective Equipment (PPE)

When handling product at all times wear:

- PVC protective gloves
- Protective clothing
- Safety Glasses/Goggles/Face Shield
- Chemical/water proof boots
- Chemical resistant apron

9. PHYSICAL AND CHEMICAL PROPERTIES

Specifications

Appearance	Off White Powder
Odour	Chlorine Vapours
pH	12.6 – 13.0
Vapour Pressure	Not available for substance
Vapour Density	Not available for substance
Boiling Point	~100°C
Freezing Point	~0°C
Solubility	Completely in water
Specific Gravity	1 gm/gm at 20°C

10. STABILITY AND REACTIVITY

Stability

ZOOM ALKALI POWDER is a stable product.

Reactivity

Generates heat on dilution with water; **Always add ZOOM ALKALI POWDER to water.** A violent reaction may occur if water is added directly onto product.

Hazardous Reactions

Hazardous violent reaction if **ZOOM ALKALI POWDER** solutions are mixed with Acid's.
Chlorine gas is emitted if solutions are mixed with acid compounds.

11. TOXICOLOGICAL INFORMATION

General	ZOOM ALKALI POWDER is harmful if not handled appropriately.
Ingestion	If swallowed will cause burning of digestive tract.
Inhalation	Harmful if inhaled. Causes damage to organs through prolonged or repeated exposure.
Skin Contact:	Usually a tingling burning sensation on infected area which can cause severe skin burns if left untreated.
Eye Contact:	Acutely irritant and corrosive on eyes which will cause severe eye damage.

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12. ECOLOGICAL INFORMATION

Toxic to aquatic life and Harmful to terrestrial vertebrates; prevent spillage into waterways.

HSNO Class:

9.1D (Toxic to aquatic life. May cause long lasting harmful effects to aquatic life)

9.3C (Harmful to terrestrial vertebrates)

13. DISPOSAL CONSIDERATIONS

Return unwanted product to the manufacturer for disposal or contact the Regional Council for local chemical disposal area details.

Empty container may contain product traces rinse container well while wearing appropriate safety equipment, remove labels and dispose container in accordance with local regulations.

14. TRANSPORT INFORMATION

UN Number	3262
Proper Shipping Name	Corrosive Solid, Basic, Inorganic, NOS
DG Class	8
Packing Group	II
Special Precautions	Do not Ship with class 8 Acids
HAZCHEM Code	2X



15. REGULATORY INFORMATION

EPA Registration Number: HSR002526

MPI Approved For Use in Farm Dairies

HSNO Classification:

6.1D (Harmful if swallowed)

8.1A (May be corrosive to metals)

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HSNO Group Standard Name: Cleaning Products (corrosive) Group Standard

Complies with schedules 1 & 2 of the group standard

Approved Handler: Not Required

Contains: 600 g/Kg Sodium Hydroxide

16. OTHER INFORMATION

Issue Date: 16/12/2014

Review Date: 16/12/2019

Definition: EPA – The Environmental Protection Authority of New Zealand

HSNO – Hazardous Substances and New Organisms Act 1996

MPI – Ministry for Primary Industries

pH – Measure of how acidic or alkaline a material is using a 1-14 scale. pH 1 is strongly acidic and pH14 is strongly alkaline.

The information on this Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described on the label is the responsibility of the user.