

ZOOM HYPO CHLOR

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	:	ZOOM HYPO CHLOR
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	:	Concentrated liquid bactericide for dairy farm use. It has a wide anti-bacterial spectrum and is effective against most vegetative forms of micro-organisms.

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: 1791

Dangerous Goods Class: 8

Packing Group: III

HSNO Classification:

8.2C (Substances that are corrosive to dermal tissue)

8.3A (Substances that are corrosive to the eye)

9.1B (Substances that are ecotoxic to the aquatic environment)



Signal Word: DANGER

Hazard Statements: Causes severe skin burns and eye damage. Toxic to aquatic life with long lasting effects.

Prevention Statements: Keep out of reach of children. Read label and safety data sheet before use. Do not breathe vapours. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/clothing and eye protection. Avoid release into environment.

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before use. IF INHALED: Remove to fresh air and keep at rest in 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. Collect spillage.

ZOOM HYPO CHLOR

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Components	CAS- No.	Concentration [%]
Sodium Hypochlorite	7681-52-9	10 – 20%

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 HYPO CHLOR 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 Store in a cool dry place. Isolate from incompatible substances (Store away from acids). Store locked up.

Danger – Corrosive – Keep out of reach of children

Check all containers are clearly labeled and free from leaks

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

AIHA (WEEL) – STEL – 2mg/m³.
OSHA Permissible Exposure Limit (PEL)
0.5ppm (TWA), 1 ppm (STEL) as Chlorine
ACGIH Threshold Limit Value (TLV)
1ppm (TWA), 3 ppm (STEL) as Chlorine

Engineering Controls

Use with adequate ventilation. Avoid the creation and inhalation of aerosols.

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	Light yellow liquid
Odour	Chlorine
pH	9 - 10
Vapour Pressure	17.5 @ 20°C
Vapour Density	Not available for substance
Boiling Point	~100°C (Decomposes slightly @ 40°C)
Freezing Point	~0°C
Solubility	Completely in water
Specific Gravity	1.22-1.25 gm/ml at 20°C

10. STABILITY AND REACTIVITY

Stability: ZOOM HYPO CHLOR is a stable product.

Reactivity: Generates heat on dilution with water; **always add ZOOM HYPO CHLOR to water.** A violent reaction may occur if water is added directly onto product.

Hazardous Reactions: Hazardous violent reaction if ZOOM HYPO CHLOR solutions are mixed with Acids. Chlorine gas is emitted if solutions are mixed with acid compounds.

11. TOXICOLOGICAL INFORMATION

General ZOOM HYPO CHLOR 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. Prevent spillage into waterways.

HSNO Class: **9.1B** (Substances that are ecotoxic to the aquatic environment)

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	1791
Proper Shipping Name	Hypochlorite solution
DG Class	8 (Corrosive)
Packing Group	III
Special Precautions	Do not carry with Class 1 or 7 products. If carried with Class 4.3, 5.1, 5.2, foodstuffs or an acid, then an approved segregation device must be used and other products must not be Packing Group I.
HAZCHEM Code	2X



15. REGULATORY INFORMATION

EPA Registration Number: HSR002526

MPI Approved For Use in Farm Dairies

HSNO Classification:

8.2C (Substances that are corrosive to dermal tissue)

8.3A (Substances that are corrosive to the eye)

9.1B (Substances that are ecotoxic to the aquatic environment)

Approved Handler: Not Required

Contains: 150 g/L Chlorine (Sodium Hypochlorite)

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.