

# Zoom Acid

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	:	<b>Zoom Acid</b>
Supplier Details	:	Deosan New Zealand Ltd. 20 Seddon Street, Waharoa Telephone: 0800 336 726 (0800 DEOSAN) Fax: 07 888 5684 Email: <a href="mailto:info@deosan.co.nz">info@deosan.co.nz</a>
Product & Sales Enquiries	:	0800 336 726 (0800 DEOSAN)
Emergency Contact Numbers:		<b>Company contact:</b> 0800 DEOSAN (0800 336 726) <b>Specialist Advice: 24 hour Emergency Response</b> 0800 CHEMCALL (0800 243 622) <b>Medical Advice –National Poisons Centre</b> 0800 POISONS (0800 764 766) <b>Ecotoxic Spillage – Call Regional Council Pollution Response Service</b>
Product Details	:	All purpose acid detergent sanitizer that is low foaming in hot and cold water for the use in farm dairy 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: 3264

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 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 [%]
Citric Acid	77-92-9	<10
Toluene sulfonic acid	70788-37-3	>10
Methanesulphonic acid	75-75-2	>10
Sulphuric acid	7664-93-9	<10
Alcohol Alkoxylate	70750-27-5	<10
Food Grade Dye	-----	<0.1
Water	7732-18-2	To 100%

## 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 Acid** 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 alkali's and chlorinated products.

**Danger – Corrosive – Keep out of reach of children**

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

No specific exposure guidelines available

### 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

<b>Appearance</b>	Clear yellow slightly viscous liquid
<b>Odour</b>	Chemical
<b>pH</b>	(0.1% aqueous) 2.2 to 2.6
<b>Vapour Pressure</b>	Not available for substance
<b>Vapour Density</b>	Not available for substance
<b>Boiling Point</b>	~100°C
<b>Freezing Point</b>	~0°C
<b>Solubility</b>	Completely in water
<b>Specific Gravity</b>	1.14-1.16 gm/ml at 20°C

## 10. STABILITY AND REACTIVITY

### Stability

**Zoom Acid** is a stable product.

### Reactivity

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

### Hazardous Reactions

Hazardous violent reaction if **Zoom Acid** solutions are mixed with Alkali's.  
Chlorine gas is emitted if solutions are mixed with Chlorinated compounds.

## 11. TOXICOLOGICAL INFORMATION

### General

**Zoom Acid** 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

<b>UN Number</b>	3264
<b>Proper Shipping Name</b>	Corrosive Liquid, Acidic, Inorganic, NOS
<b>DG Class</b>	8
<b>Packing Group</b>	II
<b>Special Precautions</b>	Do not Ship with class 8 Alkalis or chlorinated products
<b>HAZCHEM Code</b>	2X



## 15. REGULATORY INFORMATION

**EPA Registration Number:** HSR002526

**MPI Approved For Use in Farm Dairies**

**HSNO Classification:**

**6.1D** (Harmful if swallowed)

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**8.2B** (Causes severe skin burns and eye damage)

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

**Approved Handler:** Not Required

## 16. OTHER INFORMATION

**Issue Date:** 06/08/2015

**Review Date:** 06/08/2020

**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.