

**Preparation Date:** 06-Feb-2018  
**Revision Number:** 2.0  
**Revision Date:** 04-Nov-2025  
**Date of Next Revision:** 03-Nov-2030

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name** Cidisan Plus  
**Item#:** NZ0005  
**Recommended use** Acidic cleaner  
**Uses advised against** Restricted to professional users

**Supplier** DeLaval Ltd,  
82 Greenwood street,  
Hamilton  
New Zealand

**Telephone Number** (07) 849-6020  
(8am - 4:30pm Mon-Fri)

**Emergency Telephone Number** 0800 764 766 (National Poison Centre)  
0800 243 622 CHEMCALL

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture according to GHS

Acute toxicity - Oral - Category 4  
Skin corrosion/irritation - Category 1C  
Serious eye damage/eye irritation - Category 1  
Specific target organ toxicity (single exposure) - Category 3  
Specific target organ toxicity (repeated exposure) - Category 2  
Corrosive to metals - Category 1

### 2.2. Label Elements

**Hazard Pictogram(s)**



**Signal word** DANGER

**Hazard Statements** H290 - May be corrosive to metals  
H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H335 - May cause respiratory irritation  
H373 - May cause damage to organs (liver, respiratory system) through prolonged or

repeated exposure if swallowed or inhaled

**Precautionary statements**

- P102 - Keep out of reach of children
- P234 - Keep only in original packaging
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray
- P264 - Wash hands and face thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P271 - Use only outdoors or in a well-ventilated area
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
- P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
- 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/doctor.
- P314 - Get medical advice/attention if you feel unwell
- P330 - Rinse mouth
- P363 - Wash contaminated clothing before reuse
- P390 - Absorb spillage to prevent material damage
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
- P405 - Store locked up
- P406 - Store in original container with a resistant inner layer.
- P501 - Dispose of contents/container in accordance with local regulations

**Contains**

Phosphoric acid, Sulfuric acid

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
Phosphoric acid	7664-38-2	10 - 30%
Sulfuric acid	7664-93-9	1 - 10%
Phosphonic acid, octyl-	4724-48-5	1 - 10%
Alcohols, C9-11, ethoxylated	68439-46-3	1 - 10%

**4. FIRST AID MEASURES**

**Workplace Facilities**

Eyewash bottle with clean water

**General Advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Eye contact**

Immediate medical attention is required  
 Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes  
 Keep eye wide open while rinsing

**Skin contact**

Wash off immediately with plenty of water for at least 15 minutes  
 Call a physician immediately

**Inhalation**

Move to fresh air  
 If not breathing, give artificial respiration  
 If breathing is difficult, give oxygen  
 Call a physician or Poison Control Center immediately

**Ingestion** Immediate medical attention is required. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

## 5. FIRE-FIGHTING MEASURES

**Hazchem Code** 2X

**Flammable Properties** The product is not flammable.

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** No information available.

**Specific hazards arising from the chemical** The product causes burns of eyes, skin and mucous membranes.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment.

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods for cleaning up** Dam up. Prevent product from entering drains. Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

**Handling** Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.

**Type of Container/Package** Store in original container

Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	WES (New Zealand)
Phosphoric acid	TWA: 1 mg/m <sup>3</sup>
Sulfuric acid	TWA: 0.1 mg/m <sup>3</sup>

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Eye/face Protection</b>	Tightly fitting safety goggles.
<b>Skin Protection</b>	Long sleeved clothing, Chemical resistant apron, Boots
<b>Hand Protection</b>	Neoprene gloves
<b>Respiratory Protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of insufficient ventilation wear suitable respiratory equipment.

**General Hygiene Considerations**

Keep away from food, drink and animal feedingstuffs. When using, do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. For environmental protection remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES
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<b>Appearance</b>	Red
<b>Physical state</b>	Liquid
<b>Odor</b>	Slight
<b>Odor Threshold</b>	No information available
<b>pH</b>	< 2
<b>Melting Point/Range</b>	No data available
<b>Freezing Point/Range</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Initial boiling point/range</b>	No data available
<b>Flash Point</b>	The product is not flammable
<b>Flammability (solid, gas)</b>	No information available
<b>Upper flammability limit:</b>	No data available
<b>Lower flammability limit:</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Relative density</b>	No data available
<b>Solubility</b>	No information available
<b>Solubility in other solvents</b>	No data available
<b>Partition Coefficient (n-octanol/water)</b>	No information available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Kinematic viscosity</b>	No data available
<b>Particle characteristics</b>	No data available
<b>Water Solubility</b>	soluble
<b>Specific Gravity</b>	1.2 (@ 25°C)
<b>Corrosive to metals</b>	Corrosive to metals

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials</b>	bases, bleach
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of irritating gases and vapours.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	
<b>Inhalation</b>	No information available.
<b>Eye contact</b>	No information available.
<b>Skin contact</b>	No information available.
<b>Ingestion</b>	Harmful if swallowed.

### Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid	> 300 mg/kg (Rat)	2740 mg/kg (Rabbit)	850 mg/m <sup>3</sup> (Rat) 1 h
Sulfuric acid	2140 mg/kg (Rat)		375 mg/m <sup>3</sup> (air)
Phosphonic acid, octyl-		> 2000 mg/kg (Rat)	
Alcohols, C9-11, ethoxylated	= 1400 mg/kg (Rat)		

<b>Skin corrosion/irritation</b>	Causes severe skin burns
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage
<b>Respiratory or skin sensitization</b>	Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	Sulfuric acid
IARC	Group 1

### IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>Developmental Effects</b>	No information available.
<b>STOT - single exposure</b>	May cause respiratory irritation
<b>STOT - repeated exposure</b>	May cause damage to organs (liver, respiratory system) through prolonged or repeated exposure if swallowed or inhaled.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Ecotoxicity effects** Prevent release to the environment.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sulfuric acid		LC50 42 mg/l 96 h		EC50 42.5 mg/L 48 h
Phosphonic acid, octyl-		40: 96 h Oncorhynchus mykiss mg/L LC50 semi-static		

**Persistence and degradability** No information available

**Bioaccumulation/Accumulation** No information available.

**Mobility** Will likely be mobile in the environment due to its water solubility

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Should not be released into the environment. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

<b>UN-No</b>	3264
<b>Proper Shipping Name</b>	Corrosive liquid, acidic, inorganic, n.o.s ( Sulfuric acid, Phosphoric acid )
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Hazchem Code</b>	2X

## 15. REGULATORY INFORMATION

**EPA NZ Registration Number** HSR002526

**EPA Group Standard** Cleaning Products - (Corrosive) Group Standard 2006

**HSNO Conditions**  
 Approved Handler trigger quantity: N/A  
 Location Compliance certification trigger: N/A  
 Signage trigger quantity: 1000L or 1000kg  
 Response Plan trigger quantity: 1000L or 1000kg  
 Secondary containment trigger quantity: 1000L or 1000kg

**EPA Reference** Guidance to the changes introduced by the Health and Safety at Work (Hazardous Substances) Regulations 2017

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16. OTHER INFORMATION
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<b>Prepared By</b>	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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<b>Reason for revision</b>	General update; Update Section: 2 (GHS), 8, 11, 15
<b>References</b>	<ul style="list-style-type: none"><li>- Hazardous Substances (Hazardous Classification) Notice 2020</li><li>- Hazardous substances (Labelling) Notice 2017</li><li>- Hazardous Substances (Safety Data Sheets) Notice 2017</li><li>- European Agreement concerning the International Carriage of Dangerous Goods by Road</li><li>- New Zealand Workplace Exposure Standards (WES)</li><li>- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans</li><li>- Chemical Classification and Information Database (CCID)</li></ul>

**Disclaimer**

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**End of SDS**