

Preparation Date: 06-Feb-2018
Date of Next Revision: 05-Feb-2023

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
307 Sandwich Road
Hamilton 3241
New Zealand

Telephone Number +64 7 847 9904
(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 5
Skin corrosion/irritation - Category 1
Serious eye damage/eye irritation - Category 1
Specific target organ toxicity (repeated exposure) - Category 2
Chronic aquatic toxicity - Category 4
Corrosive to Metals

HSNO Classifications

- 6.1E Substances that have relatively low acute toxicity
- 6.9B Substances that are harmful to target organs
- 8.1A Substances that are corrosive to metals
- 8.2B Substances that are corrosive to dermal tissue
- 8.3A Substances that are corrosive to the eye
- 9.1D Substances that are slightly harmful to the aquatic environment

2.2. Label Elements

Hazard Pictogram(s)



Signal word DANGER

Hazard Statements

- H290 - May be corrosive to metals
- H303 - May be harmful if swallowed
- H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage
 H373 - May cause damage to organs through prolonged or repeated exposure
 H413 - May cause long lasting harmful effects to aquatic life
 H402 - Harmful to aquatic life

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand
 P102 - Keep out of reach of children
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P264 - Wash hands and face thoroughly after handling
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P310 - Immediately call a POISON CENTER/doctor.
 P363 - Wash contaminated clothing before reuse
 P405 - Store locked up
 P406 - Store in original container with a resistant inner layer.
 P273 - Avoid release to the environment
 P390 - Absorb spillage to prevent material damage
 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%
Polyethylene-polypropylene glycol	9003-11-6	1 - 10%
Alcohols, C9-11, propoxylated	68920-69-4	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	OSH (New Zealand, 1/2002)
Phosphoric acid	TWA: 1 mg/m ³ STEL:3 mg/m ³
Sulfuric acid	TWA: 1 mg/m ³

Engineering Controls	Ensure adequate ventilation, especially in confined areas.
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Personal Protective Equipment

Eye/face Protection	Tightly fitting safety goggles.
Skin Protection	Long sleeved clothing, Chemical resistant apron, Boots
Hand Protection	Neoprene gloves
Respiratory Protection	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

Appearance	Red
Physical state	Liquid
Odor	Slight
pH	< 2
Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	The product is not flammable
Autoignition Temperature	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Boiling Point/Range	No data available
Freezing Point/Range	No data available
Water Solubility	soluble
Solubility	No information available
Solubility in other solvents	No data available
Specific Gravity	1.2 (@ 25°C)

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Inhalation	No information available.
Eye contact	Causes burns. Risk of serious damage to eyes.
Skin contact	Corrosive. Causes skin burns.
Ingestion	May be harmful if swallowed.

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid	= 1530 mg/kg (Rat)	2730 mg/kg (Rabbit)	850 mg/m ³ (Rat) 1 h
Sulfuric acid	= 2140 mg/kg (Rat)		= 510 mg/m ³ (Rat) 2 h
Alcohols, C9-11, ethoxylated	= 1378 mg/kg (Rat) = 1400 mg/kg (Rat)	> 2 g/kg (Rabbit)	
Polyethylene-polypropylene glycol	= 16 g/kg (Rat) = 5700 mg/kg (Rat)		= 320 mg/m ³ (Rat) 4 h

Irritation

No information available

Corrosivity

Causes severe skin burns and eye damage.

Sensitization

No information available.

Mutagenic effects

No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	IARC
Sulfuric acid	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.

Reproductive Effects

No information available.

Developmental Effects

No information available.

STOT - single exposure

No information available

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure. Inhalation.

12. ECOLOGICAL INFORMATION

Ecotoxicity**Ecotoxicity effects**

Harmful to aquatic life

May cause long lasting harmful effects to aquatic life

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Phosphoric acid		3 - 3.5: 96 h Gambusia affinis mg/L LC50		4.6: 12 h Daphnia magna mg/L EC50
Sulfuric acid		LC50 42 mg/l 96 h		EC50 42.5 mg/L 48 h

Persistence and degradability

No information available

Bioaccumulation/Accumulation

No information available.

Mobility

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

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

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

15. REGULATORY INFORMATION

ERMA NZ Registration Number	HSR002526
ERMA Group Standard	Cleaning Products - (Corrosive) Group Standard 2006
HSNO Classifications	6.1E Substances that have relatively low acute toxicity 6.9B Substances that are harmful to target organs 8.1A Substances that are corrosive to metals 8.2B Substances that are corrosive to dermal tissue 8.3A Substances that are corrosive to the eye 9.1D Substances that are slightly harmful to the aquatic environment
HSNO Conditions	Hazardous Substances Location trigger quantity: N/A Approved Handler trigger quantity: N/A Secondary containment trigger quantity: 1000L or 1000kg Signage trigger quantity: 1000L or 1000kg Response Plan trigger quantity: 1000L or 1000kg
ERMA Reference	ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001

16. OTHER INFORMATION

Prepared By DeLaval NV
Industriepark-Drongen 10
9031 Gent
Belgium

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References Land Transport (Dangerous Goods) Rule 45001:2005
Hazardous Substances Regulations 2001:
- Minimum Degrees of Hazard
- Classification
- Classes 1 to 5 Controls
- Classes 6, 8 and 9 Controls
- Packaging Regulations
- Identification Regulations
- Disposal Regulations
- Emergency Management
- Identification Regulations
- Disposal Regulations
Health and Safety in Employment Regulations 1995
User Guide to the HSNO Thresholds and Classifications
OSH Workplace Exposure Standards January 2002
NZCIC Approved Code of Practice - Preparation of Safety Data Sheets
Signage for premises storing hazardous substances and dangerous goods

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of SDS