SAFETY DATA SHEET

Cidisan Plus

Preparation Date: 06-Feb-2018
Revision Number: *1.1*
Revision Date: *13-Sep-2024*
Date of Next Revision: *12-Sep-2029*

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

Skin corrosion/irritation - Category 1B
Serious eye damage/eye irritation - Category 1
Specific target organ toxicity (repeated exposure) - Category 2
Corrosive to Metals

2.2. Label Elements

Hazard Pictogram(s)

Signal word DANGER

Hazard Statements
H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H373 - May cause damage to organs through prolonged or repeated exposure

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
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P302 + P361 + P354 - IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305 + P354 + P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P316 - Get emergency medical help immediately
P363 - Wash contaminated clothing before reuse
P390 - Absorb spillage to prevent material damage
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, Alcohols, C9-11, ethoxylated

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^3 STEL:3 mg/m^3
Sulfuric acid	TWA: 0.1 mg/m^3

Engineering Controls Ensure adequate ventilation, especially in confined areas.

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)
Kinematic viscosity	

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 No information available.
Skin contact No information available.
Ingestion No information available.

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid	> 300 mg/kg (Rat)	2740 mg/kg (Rabbit)	850 mg/m³ (Rat) 1 h
Sulfuric acid	2140 mg/kg (Rat)		375 mg/m³ (air)
Phosphonic acid, octyl-		> 2000 mg/kg (Rat)	
Alcohols, C9-11, ethoxylated	= 1400 mg/kg (Rat)		

Irritation No information available
Corrosivity Causes severe skin burns and eye damage. Causes serious 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	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.

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 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

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 Conditions Hazardous Substances Location trigger quantiy: N/A
Approved Handler trigger quantiy: 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
Preparation Date:	06-Feb-2018
Revision Number:	1.1
Revision Date:	13-Sep-2024
Date of Next Revision:	12-Sep-2029
Reason for revision	Update Section: 1 (supplier information)
References	- Hazardous Substances (Hazardous Classification) Notice 2020 - Hazardous substances (Labelling) Notice 2017 - Hazardous Substances (Safety Data Sheets) Notice 2017 - GHS8 - European Agreement concerning the International Carriage of Dangerous Goods by Road - New Zealand Workplace Exposure Standards (WES) - International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans - Chemical Classification and Information Database (CCID)

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