

Preparation Date: 06-Feb-2018
Revision Number: 2.0
Revision Date: 30-Oct-2025
Date of Next Revision: 29-Oct-2030

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

Product Name Cidiwash
Item#: NZ0006
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
Acute toxicity - Inhalation - Category 4
Skin corrosion/irritation - Category 1B
Serious eye damage/eye irritation - Category 1
Specific target organ toxicity (single exposure) - Category 3
Specific target organ toxicity (repeated exposure) - Category 1
Corrosive to metals - Category 1

2.2. Label Elements

Hazard Pictogram(s)



Signal word

DANGER

Hazard Statements

H290 - May be corrosive to metals
H302 + H332 - Harmful if swallowed or if inhaled
H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation

H372 - Causes 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 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 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
 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

Sulfuric acid, Phosphoric acid

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Phosphoric acid	7664-38-2	10 - 30%
Sulfuric acid	7664-93-9	10 - 30%
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
 Get medical attention 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. Get medical attention 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. Corrosive to metals. Keep away from metals. Store in corrosion resistant container with a resistant inner liner. Store in original container.

Type of Container/Package Store in original container Store in corrosion resistant container with a resistant inner liner

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

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	Clear Red
Physical state	Liquid
Odor	Slight
Odor Threshold	No information available
pH	< 2
Melting Point/Range	No data available
Freezing Point/Range	No data available
Boiling Point/Range	No data available
Initial boiling point/range	No data available
Flash Point	The product is not flammable
Flammability (solid, gas)	No information available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative density	No data available
Solubility	No information available
Solubility in other solvents	No data available
Partition Coefficient (n-octanol/water)	No information available
Autoignition Temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Particle characteristics	No data available
Water Solubility	soluble
Specific Gravity	1.182 (@ 25°C)
Corrosive to metals	Corrosive to metals

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	Harmful if inhaled.
Eye contact	No information available.
Skin contact	No information available.
Ingestion	Harmful if swallowed.

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid	1530 mg/kg (Rat)	= 2740 mg/kg (Rabbit)	> 850 mg/m ³ (Rat) 1 h
Sulfuric acid	2140 mg/kg (Rat)		375 mg/m ³ (air)
Alcohols, C9-11, ethoxylated	= 1400 mg/kg (Rat)		

Skin corrosion/irritation	Causes severe skin burns
Serious eye damage/eye irritation	Causes serious eye damage
Respiratory or skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
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 product is not used in a manner where mist is generated and therefor is not a carcinogen cat. 1 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 toxicity	Based on available data, the classification criteria are not met
Developmental Effects	No information available.
STOT - single exposure	May cause respiratory irritation
STOT - repeated exposure	Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure if swallowed or inhaled.
Aspiration hazard	Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Ecotoxicity**Ecotoxicity effects**

No known significant effects or critical hazards
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

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

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

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: 250L or 250 kg
 Signage trigger quantity: 250L or 250kg
 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

16. OTHER INFORMATION

Prepared By	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
Preparation Date:	06-Feb-2018
Revision Number:	2.0
Revision Date:	30-Oct-2025
Date of Next Revision:	29-Oct-2030
Reason for revision	General update
References	<ul style="list-style-type: none">- Hazardous Substances (Hazardous Classification) Notice 2020- Hazardous substances (Labelling) Notice 2017- Hazardous Substances (Safety Data Sheets) Notice 2017- 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