

# SAFETY DATA SHEET

## Acidet Plus

**Preparation Date:** 25-Aug-2015  
**Revision Number:** 3.1  
**Date of last revision:** 17-Sep-2020

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
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<b>Product Name</b>	Acidet Plus
<b>Item#:</b>	AUS60693
<b>Recommended use</b>	Acid milkstone & scale remover
<b>Uses advised against</b>	Restricted to professional users

<b>Supplier</b>	DeLaval Pty Ltd 1 Global Drive Westmeadows, VIC 3049 Australia Telephone 61-3-8336-7977
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<b>Emergency Telephone Number</b>	131 126 (Poison Control Centre)
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## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Acute toxicity - Oral - Category 4  
 Skin corrosion/irritation - Category 1B  
 Serious eye damage/eye irritation - Category 1  
 Acute aquatic toxicity - Category 2

### 2.2. Label Elements

#### Hazard Pictogram(s)



#### Name of hazard pictogram(s)

Corrosion, Exclamation mark

#### Signal word

DANGER

#### Hazard Statements

H302 - Harmful if swallowed  
 H314 - Causes severe skin burns and eye damage

#### Precautionary statements

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  
 P270 - Do not eat, drink or smoke when using this product  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 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 victim to fresh air and keep at rest in a position 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.  
 P330 - Rinse mouth  
 P363 - Wash contaminated clothing before reuse  
 P405 - Store locked up  
 P501 - Dispose of contents/container in accordance with local regulations

#### Contains

Phosphoric acid

#### Note

Signal words and pictograms are not required on labels for AgVet chemicals.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Phosphoric acid	7664-38-2	> 60%
Water	7732-18-5	30 - 60%
Glycine, N-(2-((2-(dodecylamino)ethyl)amino)ethyl)-	6843-97-6	1 - 10%
Non-hazardous ingredients	Not specified	Balance

#### 4. FIRST AID MEASURES

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Rinse with plenty of water. Get medical attention if symptoms occur.
<b>Inhalation</b>	Move to fresh air. Call a physician or Poison Control Center immediately. Remove person to rest. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Effects of overexposure</b>	No information available
<b>Indication of any immediate medical attention and special treatment needed</b>	No information available

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Water fog. alcohol-resistant foam. Foam. Dry powder. Dry chemical. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media</b>	No information available
<b>Specific hazards arising from the chemical</b>	Non-combustible material.
<b>Protective Equipment and Precautions for Firefighters</b>	Use personal protective equipment.
<b>Hazchem Code</b>	2R

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	For personal protection see section 8.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Keep out of waterways.
<b>Methods for cleaning up</b>	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. Evacuate personnel to safe areas. Keep upwind.

#### 7. HANDLING AND STORAGE

<b>Safe Handling Advice</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Keep away from food, drink, and animal feedstuffs. Keep away from heat and sources of ignition. Store locked up.

Store in upright position only. Keep container tightly closed. Prevent further leakage or spillage if safe to do so. Corrosive to metals. Keep away from metals. Store in corrosion resistant container with a resistant inner liner. This material is a Scheduled Poison Schedule 6 (Poison) and must be stored, maintained and used in accordance with the relevant regulations.

**Incompatible products** No information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

Chemical name	ES-TWA	ES-STEL	ES-Peak
Phosphoric acid	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	

#### Biological standards

No biological limit allocated

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas Use only with adequate ventilation to keep exposures below recommended exposure limits. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

### Personal Protective Equipment

#### Eye/face Protection

Safety glasses with side-shields

#### Skin Protection

Long sleeved clothing, Boots, Apron

#### Hand Protection

gloves, nitrile rubber, Rubber gloves

#### Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### General Hygiene Considerations

Keep away from food, drink and animal feedingstuffs. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Green
<b>Physical state</b>	Liquid
<b>Odor</b>	No information available
<b>Odor Threshold</b>	No information available
<b>pH</b>	1 - 2
<b>Specific Gravity</b>	1.30
<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density</b>	No data available
<b>Flash Point</b>	Not applicable
<b>Autoignition Temperature</b>	Not applicable
<b>Boiling Point/Range</b>	100 °C
<b>Melting Point/Range</b>	Not applicable
<b>Freezing Point/Range</b>	No data available
<b>Decomposition temperature</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Explosion Limits</b>	No information available
<b>Evaporation Rate</b>	No data available
<b>Relative Density</b>	No data available
<b>Solubility</b>	Miscible with water
<b>Partition Coefficient (n-octanol/water)</b>	No data available
<b>VOC Content</b>	Not applicable
<b>Viscosity</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	May react with chlorine based products to form chlorine gas
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal use
<b>Conditions to Avoid</b>	Heat. Excessive heat. High energy sources of ignition.
<b>Incompatible Materials</b>	Alkali, strong oxidizing agents
<b>Hazardous decomposition products</b>	May react with strong oxidants. Toxic gases and vapours (Phosphoric Acid fumes) may be released

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Inhalation</b>	not classified. Acute toxicity estimate (based on ingredients): >20 mg/L.
<b>Skin contact</b>	Not classified. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg.
<b>Ingestion</b>	Harmful if swallowed. Acute toxicity estimate (based on ingredients): 300 - 2,000 mg/Kg.

### **Component Analysis - LD50/LC50**

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid 7664-38-2	= 1530 mg/kg ( Rat )	2730 mg/kg ( Rabbit )	850 mg/m <sup>3</sup> ( Rat ) 1 h
Water 7732-18-5	> 90 mL/kg ( Rat )		

### Potential Health Effects

**Skin Corrosion/Irritation** Corrosive to skin. Causes severe burns. ( . Category 1B. ).

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory or skin sensitization** Not classified. Not hazardous.

**Mutagenic effects** Contains no ingredient listed as a mutagen.

**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Reproductive Effects** Not hazardous.

**STOT - single exposure** Not hazardous.

**STOT - repeated exposure** Not hazardous.

**Aspiration Hazard** Not classified. Not hazardous.

**Information on likely routes of exposure** No known significant effects or critical hazards

**Early onset symptoms related to exposure (Immediate effects)** None known

**Delayed health effects from exposure** none known

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Ecotoxicity effects** Toxic 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

**Persistence and degradability** No information available

**Bioaccumulation/Accumulation** No information available.

**Mobility** No information available.

**Other adverse effects** No information available

**Biodegradation** No information available.

### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Can be landfilled, when in compliance with local regulations. Dispose of in accordance with local regulations.
<b>Contaminated Packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of in accordance with local regulations.

### 14. TRANSPORT INFORMATION

#### Road and Rail transport

<b>UN-No</b>	1805
<b>Proper Shipping Name</b>	Phosphoric acid solution
<b>Technical name</b>	Not regulated
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Environmental hazard</b>	Not regulated
<b>Special Precautions</b>	Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply. Emergency Response Guide No: 37
<b>Hazchem Code</b>	2R

#### IMDG/IMO

<b>UN-No</b>	1805
<b>Proper shipping name</b>	1805 - Phosphoric acid solution
<b>Technical name</b>	Not regulated
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>IMDG Marine Pollutant</b>	Not regulated

#### IATA/ICAO

<b>UN-No</b>	1805
<b>Proper Shipping Name</b>	1805 - Phosphoric acid solution
<b>Technical name</b>	Not regulated
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

### 15. REGULATORY INFORMATION

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth). All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS). The Agricultural and Veterinary Chemicals Act (Commonwealth) and/or applicable Commonwealth, State or Territory
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control-of-use legislation

**Poison Schedule Number**      Schedule 6

16. OTHER INFORMATION
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**Disclaimer**

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**End of SDS**