

SAFETY DATA SHEET

Acidet Plus

Preparation Date: 25-Aug-2015

Revision Number: 3.0

Revision Date: 21-Nov-2016

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

Product Name	Acidet Plus
Item#:	AUS60693
Recommended use	Acid milkstone & scale remover
Uses advised against	Restricted to professional users

Supplier	DeLaval Pty Ltd 1 Global Drive Westmeadows, VIC 3049 Australia Telephone 61-3-8336-7977
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Emergency Telephone Number	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

General Advice	Show this safety data sheet to the doctor in attendance. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
Skin contact	Remove contaminated clothing and shoes. Rinse with plenty of water. Get medical attention if symptoms occur.
Inhalation	Move to fresh air. Call a physician or Poison Control Centre immediately. Remove person to rest. Get medical attention if irritation develops and persists.
Ingestion	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 Centre immediately.
Effects of overexposure	No information available
Indication of any immediate medical attention and special treatment needed	No information available

5. FIRE-FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see section 8.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Keep out of waterways.
Methods for cleaning up	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

Safe Handling Advice	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Storage	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 ³	3 mg/m ³	

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

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Inhalation	not classified. Acute toxicity estimate (based on ingredients): >20 mg/L.
Skin contact	Not classified. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg.
Ingestion	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 ³ (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

Waste Disposal Method	Can be landfilled, when in compliance with local regulations. Dispose of in accordance with local regulations.
Contaminated Packaging	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

UN-No	1805
Proper Shipping Name	Phosphoric acid solution
Hazard Class	8
Packing Group	III
Environmental hazard	Not regulated
Special Precautions	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
Hazchem Code	2R

IMDG/IMO

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

IATA/ICAO

UN-No	1805
Proper Shipping Name	1805 - Phosphoric acid solution
Hazard Class	8
Packing Group	III

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	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 control-of-use legislation
Poison Schedule Number	Schedule 6

16. OTHER INFORMATION

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Disclaimer

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End of SDS