

SECTION 1: IDENTIFICATION	
1.1 Product identifier	
Product name:	Acidurin Tablets Urinary Acidifier for Dogs & Cats
Synonyms:	Not Available
Proper Shipping name:	Not Available
Other means of identification:	None
1.2 Relevant identified uses of the substances or mixture and uses advised against	
Recommended uses:	For acidification of urine in dogs and cats
Uses advised against:	None
1.3 Details of the supplier of the substance or mixture	
Registered company name:	Apex Laboratories Pty Ltd
Address:	Apex Laboratories Pty Ltd ACN 614 716 700 2 Cal Close Somersby NSW 2250
Telephone:	1300 015 825 (Business hours: 08:30 – 17:30)
Fax:	+61 2 4372 1668
Email:	thetvet@apexlabs.com.au
Website:	www.apexlabs.com.au
1.4 Emergency Telephone Numbers	
	13 11 26 (Poisons Information Centre)
SECTION 2: HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	
GHS classification(s):	Acute toxicity (oral) – Category 4 Eye irritation – Category 2A
2.2 Label Elements	
Signal Word:	WARNING
Hazard Statement(s)	
H302	Harmful if swallowed
H319	Causes serious eye irritation
Additional Statement(s)	

None	
Precautionary Statement(s) Prevention:	
P270	Do not eat, drink or smoke when using this product
P264	Wash hands thoroughly after handling
Precautionary Statement(s) Response:	
P305 + P351 + P338	If in eye: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313	If eye irritation persists: get medical advice/attention
P301 + P312	If swallowed: call a poison centre or doctor/physician if you feel unwell
P330	Rinse mouth
Precautionary Statement(s) Storage:	
Not applicable.	
Precautionary Statement(s) Disposal:	
P501	Dispose of contents/packaging according to local regulations
2.3 Other Hazard Information	
N/a	

SECTION 3: INFORMATION ON THE INGREDIENTS			
3.1 Substances			
See section below for composition of mixtures			
3.2 Mixtures			
Ingredient	CAS No	EC Number	Content
Ammonium chloride	12125-02-9	N/a	50% (100mg per tablet)
Other non-hazardous ingredients	N/a	N/a	To 100%
SECTION 4: FIRST AID MEASURES			
4.1 Description of first aid measures			
Eye contact:	In case of accidental contact of the product with the eyes rinse abundantly with fresh water, removing any contact lenses. Seek medical attention if irritation persists, showing the package leaflet or the label to the medical practitioner.		

Skin contact:	In case of accidental contact of the product with the skin rinse abundantly with fresh water and non-abrasive soap. Seek medical attention if irritation persists, showing the package leaflet or the label to the medical practitioner.
Inhalation:	Generally not required due to the nature and packaging of the product. If concerned, remove to fresh air and seek medical advice if irritation occurs.
Ingestion:	If swallowed, refer for medical attention, where possible, without delay. For advice contact a Poisons Information Centre or doctor. Urgent hospital treatment is likely to be needed. First aid measures should be supportive, as indicated by the patient's condition. Where medical attention is not immediately available or where the patient is more than 15 mins from a hospital or unless instructed otherwise: INDUCE vomiting with fingers down the back of the throat, ONLY IF CONSCIOUS. Lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
4.2 Most important symptoms and effects, both acute and delayed	
See Section 11	
4.3 Indication of immediate medical attention and special treatment needed	
Not Available	
SECTION 5: FIRE FIGHTING MEASURES	
5.1 Extinguishing media	
Suitable:	Dry agent, water fog, mist or spray, carbon dioxide. As appropriate for surrounding area.
Unsuitable:	None.
5.2 Special hazards arising from the substance or mixture	
Fire incompatibility:	None known
5.3 Special protective actions for fire-fighters:	
Firefighting:	Alert Fire Brigade and tell them location and nature of hazard. Cool containers with water spray. Wear full breathing apparatus and self-contained breathing apparatus.
Fire / explosion hazard:	No known toxic hazards.
Hazchem code:	None allocated.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures	
For information on protective equipment, see section 8.	
6.2 Environmental Precautions	
Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.	
6.3 Methods and material for containment and cleaning up	
Minor Spills:	Spillage of the product is unlikely to be serious. However, avoid contact with skin and eyes.
Major Spills:	For large spills, take precautions to prevent entry into waterways, sewers, or surface drainage systems. Control personal contact with the substance, by using protective equipment. Avoid contact with skin and eyes. Collect spillage into clean, dry, labelled containers and dispose after consulting appropriate authorities.
SECTION 7: HANDLING AND STORAGE	
7.1 Precautions for safe handling	
Safe Handling:	Wear suitable protective gloves and clothing when handling the product, keeping exposure to the product to a minimum. Wash hands after handling the product. Prohibit eating, drinking and smoking in storage and handling areas. Observe manufacturer's storage and handling recommendations.
Other Information:	Keep out of the reach and sight of children.
7.2 Conditions for safe storage, including any incompatibilities	
Suitable Container:	Store below 25°C (air conditioning). Storage areas and containers should be protected from light, freezing or physical damage and tightly sealed when not in use.
Storage incompatibility:	Not available.
7.3 Specific end uses	
Not available	

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION				
8.1 Control parameters				
OCCUPATIONAL EXPOSURE LIMITS (OEL)				
INGREDIENT DATA:				
	TWA	STEL	Peak	Notes
Ammonium chloride	10 mg/m ³	20 mg/m ³	Not available	Not available
EMERGENCY LIMITS:				
	TEEL-1	TEEL-2	TEEL-3	
Ammonium chloride	20 mg/m ³	110 mg/m ³	330 mg/m ³	
8.2 Exposure controls				
Appropriate engineering controls:	The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the particular risk.			
Personal protection:	Not required when product used as directed.			
Eye and face protection:	No special equipment needed when handling small quantities. OTHERWISE: Safety glasses with side shields / chemical goggles			
Skin protection:	See hand protection below			
Hands/ feet protection:	Not required when product used as directed.			
Body protection:	Wear appropriate clothing			
Other protection:	No special equipment needed when handling small quantities			
Thermal hazards:	Not applicable			
Respiratory protection:	Not required under normal conditions of use.			
8.3 Environmental exposure controls				
See Section 12				

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Pink, round, tablets
Physical state: Tablet
Odour: None
Odour Threshold: Not available
pH (as supplied): Not available
Melting point / freezing point (degrees C): Not available
Initial boiling point and boiling range: Not available
Flash Point: Not available
Evaporation rate: Not available
Flammability: Not available
Upper/lower flammability or explosive limits: Not available
Vapour pressure: Not available
Relative Density (at degrees C): Not available
Specific gravity/density: Not available
Solubility in water and solvents (mg/l): Not available
Vapour density: Not available
Auto ignition temperature (degrees C): Not available
Decomposition temperature (degrees C): Not available
Viscosity: (degrees C): Not available
Explosive properties: Not available
Oxidising properties: Not available
Partition Coefficient: Not available
Molecular weight: Not available
Taste: Not available
Surface tension: Not available
Volative component: Not available
Gas group: Not available
pH as a solution: Not available
VOC g/L: Not available

9.2 Other information
 Not Available

SECTION 10: REACTIVITY AND STABILITY

10.1 Reactivity:	See Section 7
10.2 Chemical stability:	Product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3 Possibility of hazardous reactions:	Stable under normal temperatures and conditions.
10.4 Conditions to avoid:	No conditions to avoid other than extreme heat.
10.5 Incompatible materials:	No data available.

10.6 Hazardous decomposition:	No known decomposition products.	
SECTION 11: TOXICOLOGICAL INFORMATION		
If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126		
Inhalation:	Not normally a hazard due to non-volatile nature of the product.	
Ingestion:	Accidental ingestion of the material may be harmful: animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.	
Skin contact:	Skin contact is not thought to produce harmful health effects. Open cuts, abraded or irritated skin should not be exposed to this material, as it may produce health damage following entry through wounds, lesions or abrasions.	
Eye contact:	Eye contact may cause significant irritation with pain. Corneal injury may occur; permanent impairment of vision may result unless treatment is prompt and adequate. Repeated or prolonged exposure to irritants may cause inflammation characterised by a temporary redness of the conjunctiva; temporary impairment of vision and/or other transient eye damage/ulceration may occur.	
Chronic:	Long-term exposure to the product is not thought to produce chronic effects adverse to health.	
Ammonium chloride:	Acute toxicity	Irritation
	Oral (rat) LD ₅₀ : 1650 mg/kg	Eye (rabbit): 100mg SEVERE
	Dermal (rat) LD ₅₀ : >2000 mg/kg	Eye (rabbit): 500mg/24 h SEVERE
Skin corrosion/irritation:		
Unlikely to cause skin irritation.		
Serious eye damage/irritation:		
Causes severe eye irritation.		
Respiratory or skin sensitization:		
Unlikely to cause respiratory or skin sensitisation.		
Germ cell mutagenicity:		
Not expected to be mutagenic.		
Carcinogenicity:		
Not expected to be carcinogenic.		

Reproductive toxicity:
Not expected to be a reproductive toxicant
STOT – single exposure:
Not available
STOT–repeated exposure:
Not available
Aspiration hazard:
Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

	Endpoint	Test duration (h)	Species	Value
Ammonium chloride	LC50	96	Fish	0.08 mg/L
	EC50	48	Crustacea	0.261 mg/L
	EC50	72	Algae	166.5 mg/L
	NOEC	720	Fish	0.006 mg/L

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other adverse effects

Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / packaging disposal:	Empty containers may be recycled or sent to a commercial waste disposal site. Unused product should be suitable for landfill; however, contact the relevant local Waste Disposal Authority.
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	<p>Any unused veterinary medicinal product or waste material derived from such veterinary medicinal products should be disposed of in accordance with national requirements.</p> <p>Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area.</p>	
Waste Treatment Options:	Do not dispose into sewers or waterways	
Sewage Disposal Options:	Do not dispose into sewers or waterways	
SECTION 14: TRANSPORT INFORMATION		
Labels required:	None	
Marine pollutant:	NO	
Hazchem:	N/a	
Land transport (ADG):		
14.1 UN Number	N/a	
14.2 UN Proper Shipping Name	N/a	
14.3 Transport hazard class(es)	Class	N/a
	Sub risk	N/a
14.4 Packing group	N/a	
14.5 Environmental hazards	N/a	
14.6 Special precautions for user	Special provisions	N/a
	Classification code	N/a
	Hazard Label	N/a
	Special provisions	N/a
	Limited quantity	N/a

Air transport (IATA / ICAO):		
14.1 UN Number	N/a	
14.2 UN Proper Shipping Name	N/a	
14.3 Transport hazard class(es)	ICAO/IATA Class	N/a
	ICAO / IATA Sub risk	N/a
	ERG Code	N/a
14.4 Packing group	N/a	
14.5 Environmental hazards	N/a	
14.6 Special precautions for user	Special provisions	N/a
	Cargo only packing instructions	N/a
	Cargo only maximum qty/pack	N/a
	Passenger and cargo packaging instructions	N/a
	Passenger and cargo maximum qty/pack	N/a
	Passenger and cargo limited quantity packing instructions	N/a
	Passenger and cargo limited maximum qty/pack	N/a
Sea transport (IMDG / IMO):		
14.1 UN Number	N/a	
14.2 UN Proper Shipping Name	N/a	
14.3 Transport hazard class(es)	IMDG Class	N/a
	IMDG Sub risk	N/a
14.4 Packing group	N/a	
14.5 Environmental hazards	N/a	
14.6 Special precautions for user	EMS Number	N/a
	Special provisions	N/a
	Limited quantities	N/a

SECTION 15: REGULATORY INFORMATION	
15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture	
Australian Pesticides & Veterinary Medicines Authority (APVMA) Approval No.: 35615	
Poison Schedule	Not scheduled according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].
Hazard codes	H302: Harmful if swallowed H319: Causes serious eye irritation
Risk phrases	R22: Harmful if swallowed R41: Risk of serious damage to eyes
Safety phrases	Not Applicable
Inventory listing(s)	AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt.
SECTION 16: OTHER INFORMATION	
WORKPLACE CONTROLS AND PRACTICES: Unless a less toxic chemical can be substituted for a hazardous substance, ENGINEERING CONTROLS are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.	
PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.	
HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.	
ABBREVIATIONS: ACGIH: American Conference of Governmental Industrial Hygienists CAS #: Chemical Abstract Service number - used to uniquely identify chemical compounds CNS: Central Nervous System EC No.: EC No - European Community Number	

EMS: Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)

GHS: Globally Harmonized System

GTEPG: Group Text Emergency Procedure Guide

IARC: International Agency for Research on Cancer

LC50: Lethal Concentration, 50% / Median Lethal Concentration

LD50: Lethal Dose, 50% / Median Lethal Dose

mg/m³: Milligrams per Cubic Metre

OEL: Occupational Exposure Limit

pH: relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm: Parts Per Million

STEL: Short-Term Exposure Limit

STOT-RE: Specific target organ toxicity (repeated exposure)

STOT-SE: Specific target organ toxicity (single exposure)

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons

SWA: Safe Work Australia

TLV: Threshold Limit Value

TWA: Time Weighted Average

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled and used in the workplace. Apex Laboratories Pty Ltd make no representation of merchantability, fitness for a particular purpose or application, or of any other nature with respect to the information or the product to which the information refers ("the product").

The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability prior to use of the product.

The physical data shown herein are typical values based on material tested. These values should not be construed as guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots hereof.