



MATERIAL SAFETY DATA SHEET

Aciprid 20 SL

IDENTIFICATION OF THE SUPPLIER:

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PRODUCT IDENTIFICATION:

Common Name: Acetamiprid 20% w/v
Trade Name: Aciprid 20 SL
Type of formulation: Soluble liquid (SL)
Chemical Name:
(E)-N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-methylethanimidamide
Chemical Formula: C₁₀H₁₁ClN₄
Molecular Weight: 222.7

PRODUCT COMPOSITION:

<i>Active Ingredient:</i>	<i>% w/v</i>	<i>CAS #</i>
Acetamiprid	20%	[135410-20-7]
<i>Inert ingredient:</i>		
Solvent	Up to 100%	--

HAZARDS IDENTIFICATION:

Health Hazard information:

Swallowed Poisonous if swallowed. Acute LD50-Rat-580mg/kg
Eye Will irritate the eyes. Classified as moderately Irritating-
Rabbit (female)
Skin Low dermal toxicity. May irritate the skin.
Some components of the formulation
May be absorbed through the skin.
Acute dermal LD50- Rate->2000 mg/kg.
Classified as Non-Irritating-Rabbit.
Classified as Non-Sensitizing-Guinea Pig (female)





Inhaled	Low inhalation toxicity. LC50 (4h) rat>6540 mg/m ³
Chronic	In animal studies acetamiprid was not mutagenic or Carcinogenic .It was not a neurotoxin or Reproductive toxin and did not cause Ambry or foetal toxicity.
Medical conditions	None known.

FIRST AID MEASURES:

Swallowed: If poisoning occurs, contact a doctor or poisons information Centre .Wash out mouth with water. Do not induce vomiting. Give a glass of water. Keep patient at rest and seek medical advice.

Eye contact: Rinse eyes immediately clean water for at least 15 minutes and obtain urgent medical aid.

Skin contact: Carefully remove contaminated clothing. Wash affected area thoroughly with soap and water. Seek medical aid if at all worried.

Inhalation: If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at worried. If breathing stop of failing, start artificial respiration.

First Aid Facilities: Eye wash, water, soap.

Advice to Doctor: No specific antidote. Treat according to symptoms. Symptoms from overexposure to the product include irritation, nausea, vomiting, headach, confusion, liver effects, lethargy, muscle tremors and convulsion.

FIRE FIGHTING MEASURES:

Extinguishing media: Foam, dry chemical, carbon dioxide, water spray.contain all run off.

Degree of hazard: The product is a class CI Combustible liquid

Special Fire Fighting Procedures: isolate fire area. Evacuate downwind residents.Fire fighters should wear full protective gear including self-contained breathing apparatus (AS/NZS 1715-1716). If possible and without risk. Remove intact containers from exposure to fire.Otherwise.spray un-opened containers with sand or earth to prevent it entering any bodies of water. Dispose of fire control water or other extinguishing agent and spillage safely later.

Hazardous Decomposition Products: on combustion toxic fumes such as oxides of carbon, nitrogen and sulphur, hydrogen chloride and other toxic substances may be emitted, may form explosive mixture with air.



ACCIDENTAL RELEASE MEASURES:

Spill and Disposal: Avoid contact with the spilled material or contaminated surfaces. Extinguish all possible sources of ignition. When dealing with spill do not eat, drink, or smoke. Wear personal protective clothing and equipment. Prevent spilled material from entering drains and watercourses. Contain spill and absorb with earth, sand, clay or other absorbent material. Collect and store in properly labeled sealed drums for safe disposal. Dispose of waste product through a reputable waste contractor. Thoroughly ventilate the area after clean up. Deal with all spillages immediately. After cleaning up spills, flush area with water taking care that washing do not enter sewers, drains or other waterways. If contamination of drains, streams, watercourses etc is unavoidable, warn the local water authority. Wash contaminated equipment taking care that washing do not enter sewers, drains and other waterways

HANDLING AND STORAGE:

Handling and Storage: Store in the closed original container, in a dry, cool, well ventilated area out of direct sunlight. Do not store with seed, feed, foodstuffs, insecticides, herbicides or fertilizers. Keep away from sparks, open flames or other sources of ignition. Keep container tightly closed as product is hygroscopic. The product is not a Dangerous Good by road or rail according to the Australian Code for the transport of Dangerous Goods by road and rail. It is not a marine pollutant.

Risk phases: R22-Harmful if swallowed
R36/38-irritating to eyes and skin

EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Exposure standards: No exposure standard has been assigned by the National Occupational Health and Commission (NOHSC) for the product or its ingredients.

Engineering controls: Control process conditions to avoid contact. Use local exhaust ventilation during manufacture and spark proof equipment. Use in a well-ventilated area only.



Personal Protective: After using and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. Applicators and handlers should wear long sleeved shirt and long pants or overalls, buttoned to the neck, butyl rubber gloves and safety goggles or face shield. If working in enclosed areas, a respirator with either an organic or vapor-removing cartridge with a pre-filter approved for pesticides, or a canister approved for pesticides.

STABILITY AND REACTIVITY:

Chemical stability: Stable under normal conditions of use. Acetamiprid degrades slowly at alkaline PH And elevated temperatures.

Conditions to avoid: Extreme heat, sparks, open flames and other Sources of ignition, moisture.

Hazardous decomposition products At high temperatures or on combustion- oxides of carbon, nitrogen and sulphur, hydrogen chloride and other toxic substances may be formed.

TOXICOLOGICAL INFORMATION:

-The following data are for acetamiprid active:

Acute:

Oral toxicity LD₅₀ RAT male: 217mg/kg.
LD₅₀ RAT female: 146mg/kg.

Dermal toxicity LD₅₀ rat: >2000 mg/kg.

Inhalation toxicity LC₅₀ rat: >0.29mg/L

Skin irritation Rabbit: non irritating

Eye Irritation: Rabbit: non irritating

Sensitization skin: Guinea pig- Not skin sensitiser



ECOLOGICAL INFORMATION:

Environmental Protection: Acetamiprid non toxic to bird, and practically non toxic to fish and invertebrates, low toxicity to bees and earthworms

Ecological Information (Acetamiprid):

Birds Toxicity:

Mallard Duck Acute oral LD50	98m/kg
Mallard Duck Dietary LC50	>5000 mg/kg
Bobwhite quail Dietary LC50	>5000 mg/kg
Bee (contact) LD50	8.09 µg/bee
Earth worms LD50 (14 day)	9mg/kg

Fish Toxicity:

Carp LC50	>100 mg/l
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Bioaccumulation: Acetamiprid is not expected to bioaccumulation. The degradation of Acetamiprid is slowly degraded on or in plants.

DT50 in clay loam: 1 day

In light Clay: 1-2 days

DT50 for total residues: 15-31 days.

DISPOSAL CONSIDERATIONS:

Container Disposal: Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

