

MATERIAL SAFETY DATA SHEET

ACIMIC 18 EC

IDENTIFICATION OF THE SUPPLIER:

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PRODUCT IDENTIFICATION :

Common Name: Abamectin
Trade Name: Acimic 18 EC
Formulation type: Emulsifiable Concentrate (EC)
Chemical Name: 5-O-demethylavermectin A1a (i) mixture with
5-O-demethyl-25-de(1-methylpropyl)-25-(1-
methylethyl)avermectin A1a (ii)
Chemical Formula: C₄₈H₇₂O₁₄ (avermectin B1a);
C₄₇H₇₀O₁₄ (avermectin B1b)
Molecular Weight: 873.1 (avermectin B1a);
859.1 (avermectin B1b)

PRODUCT COMPOSITION::

<i>Active Ingredient:</i>	CAS #	% w/v
Abamectin	[71751-41-2]	1.8 % w/v
<i>Inert ingredient:</i>		
Emulsifier		8% w/v
Solvent		Up to 100% w/v



HAZARDS IDENTIFICATION:

Symptoms of Acute Exposure:

As observed in laboratory animals include pupil dilation vomiting, convulsions, tremor and coma.

Biochemistry:

Acts by stimulating the release of γ -aminobutyric acid, an inhibitory neurotransmitter, thus causing paralysis.

Primary Routes of Entry:

Ingestion, skin and eye contact.

Effects of single overexposures:

Skin Absorption: May cause sensitization.

Inhalation: May cause irritation of eyes, nose and throat.

Eyes : May cause moderate eye irritation.

FIRE FLIGHTING MESURES:

Fire and explosion :

Flash point : 42 °C.

Extinguishing media:

Use carbon dioxide or dry chemical for small fires water fog or foam (Alcohol, polymer or ordinary) for large fires.

Unusual fire and explosion hazards:

Noxious fumes may be emitted under fire conditions.

Special fire fighting procedures:

Fire fighters should use self-contained breathing apparatus and full turnout gear. Prevent run off of fire-water. Avoid exposure to smoke.

FIRST AID MEASURES:

If poisoning is suspected, immediately contact a physician, or the nearest hospital, Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

- **Ingestion:** Induce vomiting, after giving 1-2 cups of water, and call a physician immediately, don't induce vomiting if the person is unconscious.



Inhalation: Remove victim to fresh air. If not breathing administers artificial respiration. Avoid unprotected mouth to mouth resuscitation.

Eye contact: Hold eyelids open and flush with a steady stream of water for at least 15 minutes.

Skin contact: wash affected area with plenty of soap and water, Remove contaminated clothing. Launder contaminated clothing separately.

ACCIDENTAL RELEASE MEASURES:

Steps to be taken if material is released or spilled:

Dike the area using absorbent materials such as sand or clay. Recover and contain as much product as possible using absorbent clean spill area using a solution of water and detergent. Collect and contain wash water and all contaminated absorbent for disposal. If spilled on the ground, the affected area should be excavated to a depth of 1-2 inches. Prevent the spilled product or washing from reaching public sewers or waterways. Wear appropriate protective equipment during the cleanup. Ensure that tools and equipment are adequately decontaminated.

Waste disposal method:

Dispose of in accordance with local regulations.

Container disposal:

Dispose of in an approved facility according to local regulations.

EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Protective equipment should be used during the following procedures:

Manufacture, formulation or application of this product. Repaint and maintenance of contaminated equipment clear up of leaks and spills.

Respiratory Protection:

Use NIOSH/MSHA approved respirator of organic vapors.

Use positive pressure contained breathing apparatus where emergency conditions or where exposure limits are exceeded.

Ventilation: Exhaust appropriate for removal of vapors.

Protective clothing:

Chemical resistant gloves, coveralls, apron and foot coverings.

Eye Protection: Safety goggles or face shield.

User Safety Recommendations:

Safety showers and eye wash should be easily accessible.



HANDLING AND STORAGE :

Store the product in a well-ventilated, secure area out of reach of children and domestic animals. Do not use or store near heat or open flame. Do not store food or feed in storage area. Prevent eating, drinking or smoking in areas where there is a potential exposure to the product. Wash hands before eating, drinking or smoking after using the product.

STABILITY AND REACTIVITY:

Stability: Stable under normal conditions.

Condition to avoid: Excessive heat.

Materials to avoid: Strong oxidizers, acids, and alkalis.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Yellow liquid.

Odor: Aromatic odor .

Acidity as H₂SO₄ (PH) : 4-6.5.

Density: 0.95±0.05 g/ml

TOXICOLOGICAL INFORMATION:

Toxicology Data (Abamectin tech)

Acute oral LD₅₀:	10mg/kg (rat) 13.0mg/kg (mice)
Acute Dermal LD₅₀:	> 2.000mg/kg (rabbit)
Eye irritation:	Slight irritant (rabbit)
Skin sensitization:	Non sensitizer (Guinea Pig)
Carcinogenicity:	Non carcinogenic.
Teratogenic:	Non Teratogenic.

ECOLOGICAL INFORMATION:

Non toxic to birds.

Toxic to fish and aquatic invertebrates

Toxic to bees .





DISPOSAL CONSIDERATION:

Pesticide wastes are toxic. Do not reuse product containers. Dispose of product containers, waste containers and residues according to local health and environmental regulations.

TRANSPORT INFORMATION :

Proper ship name : Pesticide Liquid ,Toxic, Flammable, n.o.s (abamectin)

UN number : 2903

Class: 6.1

PG: III

