

# Acamite

1.8EC



Active Ingredient  
**Abamectin**







ACI Centre

## ACI AT A GLANCE

ACI is one of the largest conglomerates in Bangladesh having business of Pharmaceuticals, Consumer Brands and Agribusinesses. In agricultural sector we are the largest integrator having business of Crop Care & Public Health, Livestock & Fisheries, ACI Motor, ACI Fertilizer, ACI Seed and ACI Cropex. We provide complete solution to the agricultural community. In Agribusinesses, our objective to help feed Bangladesh through introducing proper technology and products. In Tea Plantation we are pioneer to introduce new technology/product since the period of ICI, UK. We have complete range of solution for tea cultivation and better production.

Mite is the biggest problem in tea plantation. Now we are going to introduce very high quality miticide which will help tea plantation to reducing mite problem.



## Acamite 1.8EC

Abamectin is a mixture of avermectins containing more than 80% avermectin B1a and less than 20% avermectin B1b. These two components, B1a and B1b have very similar biological and toxicological properties. The avermectins are insecticidal and anthelmintic compounds derived from various laboratory broths fermented by the soil bacterium *Streptomyces avermitilis*. Abamectin is a natural fermentation product of this bacterium.

**Acamite 1.8 EC** is the new product of ACI Formulations Ltd. The ingredient is Abamectin which controls red spider mites of tea garden. The formulation is Emulsifiable Concentrate (EC).

### Activity

Abamectin is an insecticide as well as an acaricide and a nematicide.

#### What it is:

**Acamite** comes from the soil bacterium *streptomyces avermitilis*. It has limited plant systemic activity, but will move into plant tissue to provide residual control.

#### How it works (Mode of Action):

**Acamite** attacks the nerve system of insects and mites, causing paralysis within hours. The paralysis can not be reversed. Acamite is active one eaten (Stomach poison) although there is some contact activity. Maximum mortality occurs in 3-4 days.

### Storage

- Store in Cool, Dry, Locked, well-ventilated area without floor drain.
- Do not ship or store near food, feed, seeds, fertilizers or other pesticides.



- Keep away from fire, open flame or other heat sources.
- Store in tightly closed Original Container.

## Applicator safety and Re-Entry

- Non-toxic to Birds
- Do not re-enter treated areas until the spray has dried.
- No carcinogenic effects on mammals group.
- Causes substantial but temporary eye injury. Do not breathe spray mist.
- Harmful if inhaled or absorbed through the skin. Wash thoroughly after use.
- Refer to label for specific instructions.

## Restrictions

- Do not apply by air.
- Follow label instructions for frequency and number of applications per year or crop.
- Do not apply through irrigation systems.
- Do not apply within 35 meters upwind of aquatic areas or when wind speed is above 13 kph. Do not use during a temperature inversion.

## Precautions

Do not inhale dust or gas. Do not open containers with any metallic device as the contents may catch fire due to friction spark. Wear protective clothing during use. Do not work alone. Use phosphine detector trips before detector strips before entering the fumigated area. Do not smoke, eat or drink. Complete distribution of tablets within 30 minutes. Post warning notices near fumigation area. Protect all copper containing parts before fumigation. Always open containers in open air. Tablets to be used only by experienced adult personnel. Do not fumigate when the commodity temperature is below 5°C (40°F).

## Symptoms of Poisoning

Headache, giddiness, nausea, vomiting, buzzing in the ears, pressing sensation in the chest, intestinal pains. Severe poisoning symptoms may follow with dry cough, dyspnoea, intense thirst, excessive perspiration and convulsions in case of slight poisoning, patient will recover 1-2 hours. Repeat exposure with short interval can be dangerous. But no chronic poisoning is possible.

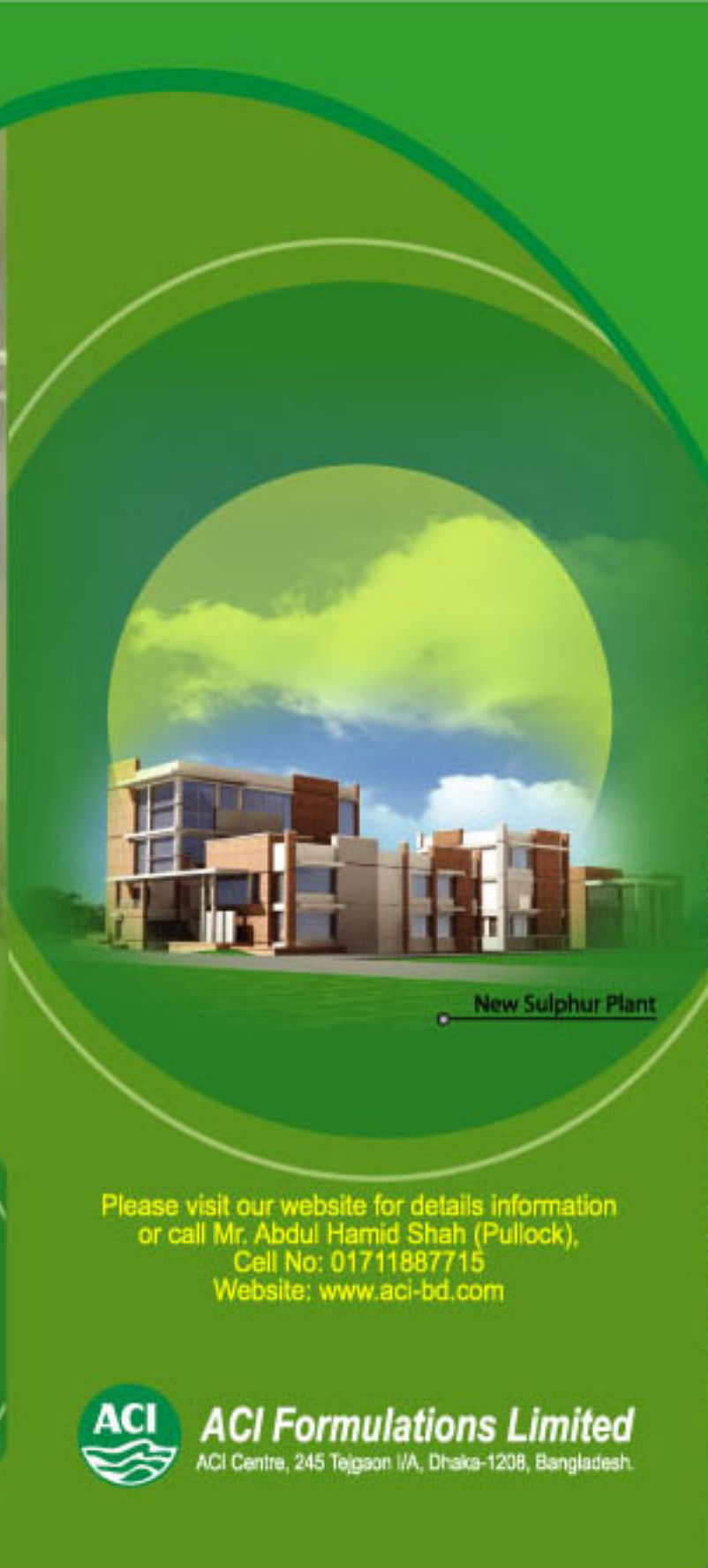
## First Aid

If inhaled, remove affected person to open air and keep them warm. If swallowed, induce vomiting with salt and warm water and take the victim to hospital.

## Antidote

1. If inhaled administer oxygen promptly and adequately. Bronchodilators and decongestants may be given. Maintain alkaline urine by giving 50-100cc of 7.5% Sodium Bicarbonate I.V. slowly or orally through Bytes tube.
2. If swallowed induce vomiting by giving 0.2% copper sulphate solution which acts as emetic and also produce insoluble cupric phosphide and this can be removed by gastric lavage with 1:5000 potassium permanganate solution. One ounce of milk of magnesia or beaten whites or 2 or 3 eggs may be given. Avoid fats and oils.





New Sulphur Plant

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