



## MATERIAL SAFETY DATA SHEET

### Acimit super

#### IDENTIFICATION OF THE SUPPLIER:

**AGRO CHEMICALS INDUSTRIES LTD**  
**JORDAN AMMAN**  
**P.O.Box 183020 Amman 11118 Jordan**  
**Tel. +962 6 5548224/5**  
**Fax. +962 6 5548220**  
**E-mail [info@aci.com.jo](mailto:info@aci.com.jo)**

#### PRODUCT IDENTIFICATION:

**Common name:** Pyridaben 15 % w/v  
**Trade Name:** Acimit Super  
**Type of formulation:** Emulsifiable Concentrate (EC)  
**Chemical name:** 2-tert-butyl-5-(4-tert-butylbenzyltio)-4-chloropyridazin  
-3- (2H)- one  
**Molecular formula:** C<sub>19</sub>H<sub>25</sub>ClN<sub>2</sub>OS  
**Molecular weight:** 364.9

#### PRODUCT COMPOSITION:

<i>Active Ingredient:</i>	<i>% w/v</i>	<i>CAS #</i>
Pyridaben	15 %	[96489-71-3]
<i>Inert ingredient:</i>		
Emulsifier	9 %	--
Solvent	Up to 100%	--

#### HAZARD IDENTIFICATION:

##### EMERGENCY OVERVIEW

##### IMMEDIATE CONCERNS:

- May be fatal if inhaled. Do not breathe spray mist.
- Harmful if swallowed or absorbed through skin. Avoid contact with skin.
- Do not get in eyes or clothing.



## FIRST AID MEASURES:

### **EYES:**

If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

### **SKIN:**

If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

### **INGESTION:**

If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

### **INHALATION:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

### **NOTES TO PHYSICIAN:**

This compound does not cause any definitive symptoms that would be diagnostic. No specific antidote is available. Treat the patient symptomatically.

## FIRE FIGHTING MEASURES:

### **Flammable properties:**

### **Extinguishing Media:**

Water spray, foam, dry powder, carbon dioxide or sand.

### **Protective Equipment for fire-fighting:**

Do not breathe fumes, wear self contained breathing apparatus.

### **Fire Fighting Instructions:**

Remove all ignition sources. Use a full faced self containing breathing apparatus along with full protective gear. Keep near by containers and equipment. Cool with a water stream. Contain the run off if possible for proper disposal



## ACCIDENTAL RELEASE MEASURES:

### Personal Precaution:

Avoid contact with spilled material or contaminated sources. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing as detailed in section 8.

### Small Spill:

Shut off ignition sources. Stop release Dike or contain release and access to the release area. Take actions to reduce vapour dilute with absorbent materials like sand/saw dust. Clean spill areas of residues and absorbent.

### Large spill:

Shut off ignition sources stop release dike or contain release. Isolate and control access to the release area. Take action to reduce vapors. Collect product in to drums and clear spillers.

## HANDLING AND STORAGE:

Wash hand with soap and water after handling product. Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams, or ponds. **KEEP OUT OF REACH of CHILDREN.**

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, protective eyewear, shoes and socks. For handling activities. Use Chemical-resistant headgear for overhead exposure.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not re-use them. Follow manufactures instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Storage:

Store in original containers, up right and closed. Store in areas that are cool, dry and well-ventilated. Store away from seeds, fertilizers and animal feed stuffs.

## EXPOSURE CONTROLS/ PERSONAL PROTECTION:

### Engineering Controls:

Mechanical ventilation should be used when handling this product in enclosed spaces.

### Respiratory Protection:

NIOSH approved organic vapor respirator in absence of mechanical ventilation.

### Hand Protection:

Wear chemical resistant PVC or nitrile gloves.

### Eye Contact:

Wear safety glasses, goggles and face shield.

### Other:

Wear PVC or chemical resistant, disposable overalls and PVC boots.

## PHYSICAL AND CHEMICAL PROPERTIES:

**Color:** Light yellow.

**Odor:** aromatic odor

**Density:** 0.92 g/ml (20 °c).

## STABILITY AND REACTIVITY:

### CONDITIONS TO VOID:

Heat and open flame.

### STABILITY:

Stable under normal conditions; relatively unstable to light.

### POLYMERIZATION:

Will not occur.

### INCOMPATIBLE MATERIALS:

Avoid contact with strong oxidizing agents.

### COMMENTS:

Pyridaben is not an oxidizer and is not corrosive to metal.



## TOXICOLOGICAL INFORMATION:

### Toxicity as technical:

**Toxicity class WHO (a.i.) III**

**Acute oral** LD50 for male rats 1350, female rats 820, male mice 424, female mice 383 mg/kg.

**Skin and eye Acute** percutaneous LD50 for rats and rabbits >2000 mg/kg. Non-irritant to eyes and skin (rabbits). Non-sensitising to skin (guinea pigs).

**Inhalation** LC50 for male rats 0.66, female rats 0.62 mg/l air. NOEL (78 w) for mice 0.81 mg/kg daily; (52 w) for dogs 0.5 mg/kg daily.

**Other** Non-mutagenic in Ames, DNA repair, in vitro chromosomal (Chinese hamster), and mouse micronucleus tests; non-Teratogenic in rats and rabbits.

### CARCINOGENICITY COMMENTS:

Minor Formulation Component- Overexposure to crystalline silica results in silicosis, a lung disease characterized by coughing, difficult breathing wheezing, scarring of the lungs, and repeated, non-specific chest illness. The International Academy for Research on Cancer (IARC) has classified crystalline silica in Group 1 (those agents with evidence of carcinogenicity to humans).

### TERATOGENIC EFFECTS:

Pyridaben was found not be treatogenic in two species tested, but at a maternally toxic dose the compound did produce only slight non-specific development effects in one species.

## ECOLOGICAL INFORMATION:

### ENVIRONMENTAL DATA:

For active ingredient (Pyridaben):

Bobwhite Quail: Oral LD50 > 2250 mg/kg

Mallard duck: Oral LD50 > 2500 mg/kg

### ECOTOXICOLOGICAL INFORMATION:

This pesticide is toxic to fish and aquatic in vertebrates. Keep out of lakes, streams, and ponds. Do not contaminate sewers or water sources by cleaning of equipment or with waste.





**GENERAL COMMENTS:**

Consult label and directions For Use for additional environmental hazards.

**DISPOSAL CONSIDERATION:**

**Product Disposal:**

Disposal of product will usually be by incineration in an appropriate licensed commercial incinerator. Advice may be obtained from local waste regulation authorities.

**Container Disposal:**

Lightly contaminated packaging may be accepted for land fill, otherwise Incineration is required.

