

MATERIAL SAFETY DATA SHEET

Alfabaz 10 SC

IDENTIFICATION OF THE SUPPLIER:

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PRODUCT IDENTIFICATION:

Common name: Alphacypermethrin 10% SC
Trade Name: Alfabaz 10 SC
Type of formulation: Suspension Concentrate (SC)
Chemical name: (S)-alpha-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dichlorovinyl) -2,2 dimethyl cyclo propane carboxylate and ®- alpha-cyano-3-phenoxy benzyl (1S,3S)-(2,2-dichlorovinyl) -2,2-dimethyl cyclopropane-carboxylate.
Molecular formula: C₂₂H₁₉Cl₂NO₃
Molecular weight: 416.32

PRODUCT COMPOSITION:

<i>Active Ingredient:</i>	<i>% w/v</i>	<i>CAS #</i>
Alphacypermethrin	10%	[67375-30-8]
<i>Inert ingredient:</i>		
Suspending & Dispersing agents	2.5%	--
Solvent (water)	Up to 100%	--



HAZARDOUS IDENTIFICATION:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed.

FIRST AID MEASURES:

Eye contact: Flush eyes promptly with clear water for at least 15 minutes.

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water. Wash clothing with detergent before reuse. Get medical attention

Ingestion: Induce vomiting if victim is in conscious by giving salt water.

Inhalation: Remove victim to fresh air. Provide artificial respiration, if necessary, Get medical attention immediately.

Antidote: To control convulsions phenobarbital may be given under medical supervision. Treat symptomatically and supportively.

FIRE FIGHTING MEASURES:

Auto-ignition temperature: Not applicable

Thermal decomposition: Will ignite if exposed to intense heat or open flame and may cause violent rupture of package.

Fire Fighting media: Dry Chemical, carbon dioxide, halon, water spray or standard foam.

Extinguishing Procedure: Wear breathing apparatus and full protective clothing. Evacuate people to safe area. Move the containers from fire area, if possible. Fight fire from maximum distance. Stay away from storage area. Dike fire control water for later disposal. Keep cool the containers by spraying water. Avoid breathing toxic vapours.



ACCIDENTAL RELEASE MEASURES:

Soil Spill: Dike the area absorbs on sand or other absorbent and place in closed container for proper disposal

Water Spill: Absorb the material by activated carbon using suction hoses to remove trapped materials.

Occupational Spill: Do not touch spilled material. Stop leak if possible. Absorb on sand or other absorbent and put in clean container
For disposal

HANDLING AND STORAGE:

Handling Procedures: Do not drop the container. Keep tightly closed; avoid breathing of vapours and bodily contact

Storing Procedures: Store in a dry cool well ventilated area away from food stuff and animal feed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: safety goggles or face shield.

Hand Protection: Suitable chemical resistant gloves.

Body Protection: Boots and apron and hat

Respiratory: Approved respiration

Ventilation: Provide local exhaust

Industrial hygiene: Safety shower and eye wash should be provided at work place. Do not eat, drink or smoke while working. Wash hands before meals and after work with soap.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow

Physical State: Liquid

Odor: Mild aromatic odor

Bulk Density: 1.05 g/ml



STABILITY AND REACTIVITY:

Chemical Stability:	Stable at normal temperature and storage condition
Decomposition:	Decomposes on heating
Thermal decomposition:	on combustion hydrochloric acid, HCN
Product:	CO, CO ₂ , NOX may be produced
Incompatibility:	In compatible with alkalis
Corrosiveness:	May corrode iron
Polymerization:	No hazardous polymerization has been reported to occur under normal condition.

TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	Rat: LD ₅₀ 79-400 mg/kg.
Acute Dermal Toxicity:	Rabbit: LD ₅₀ : > 2,000 mg/kg.
Acute Inhalation Toxicity:	Rat: LC ₅₀ : > 0.32 mg/l air.
Bird LD50:	for quail and mallard ducks >1000 mg/kg.
Fish LC50:	for rainbow trout 0.0028.
Bees:	Toxic to bees LD50 0.059 µg/bee.
Mutagenicity:	Non- mutagenic.
Carcinogenicity:	Non-carcinogenicity.
Chronic Exposure:	Increase in organs weight was observed on chronic feeding.
Environmental Fate:	EHC 142 notes that although highly toxic to fish This is not realized under field conditions where rapid loss from water allows recovery of affected population.
Soil:	undergoes degradation in soil, DT50c.13w in loamy soil.

DISPOSAL CONSIDERATIONS:

After intended use: Triple rinse containers before disposal and add rinsing to the tank mix or dispose of in a disposal pit away from waterways. Destroy empty containers by breaking, crushing or puncturing them. Bury containers at a depth of 50 cm or more at a safe disposal site, or take them to a dump that does not burn its refuse. Do not burn empty containers or product.

After spill or accident: Disposal of sealed containers, empty container. Waste product, at an approved local waste disposal site.

