

AKARI 500SC™

MATERIAL SAFETY DATA SHEET

SECTION 1 Chemical product and Company identification

Product Name: Akari 500SC™ (Clofentezine)

Chemical name: 3,6-bis-(2-chlorophenyl)-1,2,4,5-tetrazine

Product Use: Commercial Acaricide

Supplier: SINERIA HOLLAND BV
Randwycksingel 20-A015
6229 EE Maastricht The Netherlands
www.sineria.com

SECTION 2 Composition/Information on Ingredients

<u>Product Name</u>	<u>Wt.</u>	<u>CAS RN</u>
Clofentezine	500gr/lit	74115-24-5 42

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Caution. A slight skin and eye irritant. No other acute effects are known in normal use. Avoid contact with skin, eyes or clothing.

ROUTES OF EXPOSURE: Skin contact, mist inhalation.

SKIN: May be a slight skin irritant. It is a weak skin sensitizer in animal studies.

EYES: Slight eye irritant.

INHALATION: No specific health effects are known.

CARCINOGENIC: No components of the product are listed as carcinogenic by NTP, IARC or OSHA.



SECTION 4 First Aid Measures

Ingestion: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not induce vomiting or give anything by mouth to an unconscious person.

Eye contact: Hold eye open and rinse slowly and gently with water for 15-21 minutes. Call a poison control center or doctor for treatment advice.

Note to Physician: This product contains a petroleum solvent. The possibility of aspiration pneumonia should be considered.

SECTION 5 Fire Fighting Measures

Suitable extinguish media: Dry chemical, carbon dioxide, foam and water.

Fire fighting instructions: As in any fire, wear self-contained breathing apparatus pressure-demand and full protection gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Avoid breathing vapors.

SECTION 6 Accidental release measures

General and disposal: Use proper protective equipment to minimize personal exposure. Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with regulations.

Land spill or leaks:

Small spill: Absorb with an inert absorbent material such as granular clay, saw dust or pet litter. Sweep up carefully while avoiding the formulation of a dust cloud. Place in an approved chemical waste container for disposal. Rinse spill area with small amount of soapy water. Contain and absorb the rinsate with inert absorbents and place into the same disposal container. Area can be washed with water to remove the last trace residue. Do not allow water to contaminate water supplies or sewers.

Large spill: Eliminate all ignition sources. Stop leak if you can do so without coming into contact with spilled material. Dike far ahead of liquid spill for later disposal. All equipment used to clean up spill should be grounded. Prevent entry into waterways, sewers, basements or confined areas. Inform appropriate authorities immediately if contamination occurs.



SECTION 7 Handling and storage

Handling: Avoid contact with eyes or clothing. Do not use near heat or open fire.

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store in a cool and dry place out of reach of children. Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

SECTION 8 Exposure controls/Personal protection

- Control airborne concentrations below the exposure guidelines. Local exhaust ventilation may be necessary.

Eye and face protections: Safety glasses, splash goggles or face-shield.

Skin protections: Long-sleeved shirt and long pants waterproof gloves chemical-resistant footwear. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse.

Wash hand thoroughly after handling.

Respiratory protection: Ensure adequate ventilation. If not adequate, use a chemical cartridge-type respirator.

SECTION 9 Physical & Chemical properties

Appearance: Viscous purplish-red liquid.

Odour: Odourless

Vapour pressure: 1.3×10^{-7} Pa @ 25 °C

Solubility: <1.0 mg/l @ 22 °C

SECTION 10 Stability & Reactivity

Stability: Stable under normal condition

Hazardous Polymerization: Will not occur

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Incompatibilities: Will not occur

Instability: Not Known

SECTION 11 Toxicological Information

Acute Toxicity /Irritation Studies

Ingestion: Acute oral LD₅₀ >5.000mg/kg

Dermal: Acute percutaneous LD₅₀ (Rat) >2.4000 mg/kg

Inhalation: Not determined

SKIN: May be a slight skin irritant. It is a weak skin sensitizer in animal studies.

EYES: Slight eye irritant.

Chronic Toxicity Studies

Carcinogenicity: Not found

Mutagenicity: Not found

Reproduction: Not found

SECTION 12 Ecological Information

Toxicity to Fish: LC₅₀(96h) for Blue Gill sunfish 24 mg/l, Rainbow trout 10 mg/l.

Toxicity to *Daphnia magna*: EC50 51 mg/l

For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply within 30 meters of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries and commercial fish farm ponds. Do not apply when weather conditions favor drift, especially when spraying outer rows. Always direct spray into the orchard. Do not contaminate water when disposing of equipment wash waters.

SECTION 13 Disposal Considerations

Do not contaminate water, food, or feed by disposal. Empty containers should be triple rinsed into the spray tank during operation. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incinerating, or if allowed, by burning. If burned, stay out of smoke.

SECTION 14 Transport Information

DOT/TDG: Not regulated

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FREIGHT CLASSIFICATION: Insecticides, Agricultural, Liquid,

N.O.I.

SECTION 15 Regulatory Information

SARA TITLE III CLASSIFICATION

SECTION 302: Not applicable

SECTION 311/312: Acute (Immediate) Health Hazard

SECTION 313 Chemical(s): Not applicable

SECTION 16 Other Information

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for use with other materials or in processes other than those specifically described herein.

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