

# Material Safety Data Sheet

Fentin acetate 60% WP

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Chemical product name:** Fentin acetate 60% WP  
**Common chemical name:** Triphenyltin acetate  
**Company information:** Choice Chemicals Ltd.  
Centre of City, No.249 Wuyi Road, Furong District,  
Changsha, Hunan 410011, P.R. China  
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**24 hr Emergency number:** 0086 13298652316

## SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Composition	CAS No.	Content (W/W)
Fentin acetate	900-95-8	60.0%
Wetting agent		3.0%
Disperant		1.0%
White carbon black		36.0%

## SECTION 3 - HAZARDS IDENTIFICATION

### SWALLOWED

Considered an unlikely route of entry in commercial/industrial environments. The material is highly discomforting to the gastro-intestinal tract and may be harmful if swallowed. Subchronic exposures to mono-, di- and tri- and tetra-substituted organotin compounds may elicit toxic response in the central nervous, immune and renal systems, the liver and bile duct and the skin. Nausea, vomiting, headache, dizziness, transient loss of consciousness and possible convulsions have been associated with occupational exposure of triphenyltin acetate.

### EYE

The material is highly discomforting to the eyes and is capable of causing a mild, temporary redness of the conjunctiva (similar to wind-burn), temporary impairment of vision and/ or other transient eye damage/ ulceration. The vapour is discomforting to the

eyes.

#### SKIN

The material is highly discomforting to the skin and is capable of causing skin reactions which may lead to dermatitis. Prolonged exposure may cause chemical burns. Open cuts, abraded or irritated skin should not be exposed to this material. The material may accentuate any pre-existing skin condition. Toxic effects may result from skin absorption.

#### INHALED

The acute toxicity of inhaled organotin compounds resembles that found by other means of exposure. The dust may be highly discomforting to the upper respiratory tract and may be harmful if inhaled. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled.

### SECTION 4 - HAZARDS IDENTIFICATION

**Skin:** Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

**Eyes:** If this product comes in contact with the eyes:

- Immediately hold eyelids apart and flush the eye continuously with running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Transport to hospital or doctor without delay.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**Inhalation:** If dust is inhaled, remove from contaminated area. Encourage patient to blow nose to ensure clear passage of breathing. If irritation or discomfort persists seek medical attention.

**Ingestion:** If poisoning occurs, contact a doctor or Poisons Information Centre. IF

SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY.

### SECTION 5 - FIRE FIGHTING MEASURES

**Extinguishing media:**

**To be used:** water mist, foam.

**Don't use:** dry chemical and carbon dioxide.

**Particular risk:** risk of formation of toxic pyrolysis products.

**Measures of personal protection:** safety glasses or goggles, rubber gloves, shoes plus

socks, long-sleeved shirt, and long pants.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Leak or Spill Procedure: wear protective clothing. Stop leak and clean up spills immediately. In case of major spill: isolate and barricade area and keep bystanders away. Contact local government environmental authorities and the manufacturer for advice. For small spills: stop leak, isolate area and contain spill, keeping it out of sewers and drains by diking. Absorb spilled material on granular clay or other suitable absorbent. Sweep up and shovel into a disposable container which must be labelled appropriately. For the decontamination of hard surfaces, wash area with Detergent and water and soak up with absorbent.

## SECTION 7 - HANDLING AND STORAGE

**Handling:** do not apply to humans, their clothing, or bedding. Do not contaminate food or use on household tanks.

**Storage:** store in original container only in cool, dry, well-ventilated, secure area at minimum storage temperatures and out of reach of children and animals.

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL, PROTECTION

### Personal protective equipment

**Respiratory protection:** approved respirator

**Protective gloves:** rubber gloves

**Eye protection:** goggles

**Industrial hygiene:** appropriate protective clothing.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** white powder

**Melting point:** 118-125°C (tech.)

**Bulk density:** N/A

**Water solubility:** Dispersible

**Organic solubility:** soluble in most organic solvents

**pH value:** 5 – 8

**Flash point:** not flammable

**Ignition temperature:** not applicable

## SECTION 10 - STABILITY AND REACTIVITY

**Conditions to avoid:** sunlight and atmospheric oxygen.

**Products to avoid:** acidic, alkalis media, incompatible with oils and liquid formulations.

**Thermal decomposition:** not applicable

**Hazardous decomposition products:** oxide of carbon.

**Hazardous reaction:** risk of dust explosion.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**The following information based on technical materials:**

**Acute toxicity:** Acute oral LD50 for rats 140~298mg/kg, acute dermal LD50 for rabbits 127mg/kg. Irritant to skin and mucous membranes on repeated application. Inhalation LC50 (4 h) for male rats 0.044, female rats 0.069mg/L air.

**Oncogenicity:** caused pathological lesions on the uteruses of female rats at lowest dose tested.

**Teratology:** caused hydrocephalus and hydronephrosis at 1.25 mg/kg.

**Mutagenicity:** not a mutagen.

**Immunotoxicity:** affects spleen weight and spleen cells and spleen cell response to mitogens at 2.5mg/kg/day.

## SECTION 12 - ECOLOGICAL INFORMATION

**The following information based on technical materials:**

**Birds:** LD50 for quail 77.4mg/kg (tech)

**Fish:** LC50 (48 h) for fathead minnow 0.071mg/L. (tech)

**Daphnia:** LC50 (48 h) 10 µg/L. (tech)

**Algae:** LC50 (72 h) 32 µg/L(tech)

**Bee:** Not toxic to bees.

**Worms:** LD50 (14 d) 128mg/kg. (tech)

## SECTION 13 - DISPOSAL CONSIDERATIONS

Product: dispose of in compliance with all state and local laws and regulation.

## SECTION 14 - TRANSPORT INFORMATION

**Do not transport with food and feedstuff.**

**UN No.:** 2786

**Proper shipping name:** ORGANOTIN PESTICIDE, SOLID, TOXIC (Fentin acetate 60%WP)

**Class:** 6.1

**Packaging group:** III

## SECTION 15 - REGULATORY INFORMATION

**Symbol:** T (Toxic); Xi (Irritation); N (Harmful)

**R phrases:**

**R24** Toxic in contact with skin

**R25** Toxic if swallowed

**R48/23** Toxic: danger of serious damage to health by prolonged exposure through inhalation

**R37** Irritating to respiratory system

**R38** Irritating to skin

**R41** Risks of serious damage to eyes

**R50** Very toxic to aquatic organisms

**R53** May cause long term adverse effect in the aquatic environment

**S phrases:** S2, S7/9, S23/24/25, S29, S36/37, S39

**S1/2** Keep locked up and out of the reach of children

**S3/7** Keep container tightly closed in a cool place

**S29/56** Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

**S36/37/39** Wear suitable protective clothing, gloves and eye/face protection

**S60** This material and its container must be disposed of as hazardous waste

**S61** Avoid release to the environment. Refer to special instructions/Safety Data Sheets

## SECTION 16 - OTHER INFORMATION

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