



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

Add: Room1804, No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

Tel: +86 21 63065878 | **Fax:** +86 21 63065878 | **E-mail:** info@bosmangroup.com

Website: www.bosmanagrochem.net

Version: 1.0 Issue date: Oct. 10, 2021

MATERIAL SAFETY DATA SHEET OF

FENTIN ACETATE 45% WP

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd.

Street address: No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

FAX: +86 21 63065878

TEL: +86 21 63065878

Product name: Fentin acetate 45% WP

2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation: Wettable powder (WP)

Molecular Formula: C₂₀H₁₈O₂Sn

Molecular Weight: 409.1

Composition	CAS No.	Content (W/W)
Fentin acetate	900-95-8	45% min
Others	-	Balance

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.



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

Add: Room1804, No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

Tel: +86 21 63065878 | **Fax:** +86 21 63065878 | **E-mail:** info@bosmangroup.com

Website: www.bosmanagrochem.net

Version: 1.0 Issue date: Oct. 10, 2021

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.

4. FIRST AID MEASURES

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.

5. FIRE FIGHTING MEASURES

Extinguishing media:

To be used: water mist, foam.



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

Add: Room1804, No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

Tel: +86 21 63065878 | **Fax:** +86 21 63065878 | **E-mail:** info@bosmangroup.com

Website: www.bosmanagrochem.net

Version: 1.0 Issue date: Oct. 10, 2021

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.

6. ACCIDENT 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.

7. HANDLING AND STORAGE

Handling: Safe work practices are recommended. Avoid contact with eyes and skin. When opening the container and preparing spray wear appropriate PPE (refer MSDS Section 8). 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

Exposure controls

Engineering Controls

Showers, Eyewash stations, Ventilation systems

Eye/face protection

Version: 1.0 Issue date: Oct. 10, 2021

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Wear protective gloves and protective clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Environmental exposure controls No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white powder

pH value: 4.0 – 7.0

Melting point: 118-125°C (tech.)

Bulk density: N/A

Water solubility: Disperse in water

Organic solubility: soluble in most organic solvents

Flash point: not flammable

Ignition temperature: not applicable

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.

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.

Version: 1.0 Issue date: Oct. 10, 2021

Oncogenicity: caused pathological lesions on the uterus 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.

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)

13. DISPOSAL CONSIDERATION

Product Disposal Dispose of product only by using according to the label, or at an approved landfill.

Container Disposal Triple rinse empty container and add rinsate to the spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

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

15. REGULATORY INFORMATION

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

R phrases:

R24 Toxic in contact with skin

R25 Toxic if swallowed



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

Add: Room1804, No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

Tel: +86 21 63065878 | **Fax:** +86 21 63065878 | **E-mail:** info@bosmangroup.com

Website: www.bosmanagrochem.net

Version: 1.0 Issue date: Oct. 10, 2021

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

16. OTHER INFORMATION

Version: 1.0

Issue date: Oct. 10, 2021

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.

-- END OF MSDS --