

Fentin acetate -MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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1. Chemical Product Identification

Product Name: fentin acetate

Molecular Formula: C₂₀H₁₈O₂Sn

Molecular Weight: 409.1

Chemical Name: Triphenyltin acetate

Colour: white crystal

Odour: odorless

CAS No.: 900-95-8

2. Composition / Information On Ingredients

Composition	CAS No.	Content (W/W)
Fentin acetate	900-95-8	96.0%
Others		4.0%

3. Hazards Identification

Component	Sympol	R phrases
Fentin acetate	Xn	R36/37/38

More important danger for the man: irritant to skin and eye.

Dangers for the environment: toxic to fish

Physical-chemical dangers: none

4. First Aid Measures

Get medical aid immediately.

Skin: remove contaminated clothing and shoes; wash with plenty of water and soap.

Eyes: rinse thoroughly with plenty of water.

Inhalation: remove to fresh air.

Ingestion: induce vomiting if conscious, then go to see doctor.

5. Fire-Fighting Measures

Extinguishing media:

To be used: dry chemical, foam, carbon dioxide.

Don't use: not applicable

Particular risk: not applicable

Measures of personal protection: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Environmental cautions

EX: prevent the contamination of the floor and of beds of water.

6. Accidental Release Measures

Personal cautions: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Cleaning methods

EX: pick up for sweeping or aspiration avoiding the powder formation. Transfer to a properly labeled deposit that will be closed and sealed until the recovery or elimination of the product.

Environmental cautions

EX: prevent the contamination of the floor and of beds of water.

7. Handling And Storage

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

Storage:

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

Fire and explosion protection: the area must be far from fire and flammable materials

8. Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection: approved respirator

Protective gloves: rubber gloves

Eye protection: goggles

Industrial hygiene: appropriate protective clothing.

9. Physical And Chemical Properties

Melting point: 116 – 118 °C

Bulk density: 1.46 – 1.48

Water solubility: easily soluble

Organic solubility: hardly soluble in most organic solvents

Ph value: 5 – 8

Ignition temperature: not applicable

10. Stability And Reactivity

Conditions to avoid: light

Products to avoid: emulsion products

Thermal decomposition: not applicable

Hazardous decomposition products: not applicable

Hazardous reaction: none

11. Toxicological Information

Contact with the skin: can cause poisoning, TPTA poisonings in man have resulted in allergic reactions, liver damage, malaise, metabolic and enzymatic change, headaches, epigastric pain, and weakness.

Contact with the eyes: irritate the mucous membranes of the eye.

Inhalation: can occur poisoning.

Ingestion: after a lethal dose, death in laboratory animals occurs over several days.

Signs and symptoms include weakness, anorexia, watery diarrhoea, staggering, reddish tears, coma and death.

Sharp toxicity: not applicable

Effects for chronic exhibition: not applicable

Sensitisation: not applicable

12. Ecological And Ecotoxicological Information

LD₅₀ acute oral rat: male rats 316 (205-488) mg/kg; female rats 271 (200-369) mg/kg

LD₅₀ acute dermal rat: 1470mg/kg

LD₅₀ acute inhalation rat: 0.044 mg/litre air, 4 hours, male rats

0.069 mg/litre air, 4 hours, female rats

Skin irritation: light irritant to skin

Eye irritation: irritant to eye

Mucous irritation: irritant to mucous

Skin sensitization: non-sensitive

Oncogenicty: caesed 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.

Others toxicities: no data is available

Effects on bees: non-toxic

Fathead minnow: 7.1µl/L (96h)

Freshwater alga: 10 µl/L (4h)

Daphnia magna: 10 µl/L (48h)

Eight fish species: 7.1µl/L (96h)

13. Disposal Considerations

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

14. Transport Information

Not applicable.

15. Regulatory Information

Not applicable.

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons

on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.