

# Fentin /Triphenyltin Hydroxide Super Tin®

Safety information for  
planning the application

MICHIGAN STATE  
UNIVERSITY



# Fentin /Triphenyltin Hydroxide – Super Tin®

## 3 products registered for use in Michigan:

- DuPont SuperTin 80WP – EPA Reg. # 352-689
  - a.i. Fentin Hydroxide 80%
- Super Tin 4L – EPA Reg. # 70506-212\*
  - a.i. Triphenyltin Hydroxide
- Super Tin 80 WP – EPA Reg. # 70506-214\*
  - a.i. Triphenyltin Hydroxide



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## **RESTRICTED USE PESTICIDE**

RESTRICTED USE PESTICIDE due to carcinogenicity, potential for affecting fetal development, and high acute toxicity to humans. For retail sales to and use by Certified Applicators or persons directly under their supervision, and only for those uses covered by the Certified Applicators Certification.



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Signal Word:

Danger **Poison**

LD50 = 250 mg/kg



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- **Personal Protective Equipment (PPE)**
  - Coveralls over long-sleeved shirt and long pants.
  - Chemical-resistant gloves.
  - Chemical-resistant footwear plus socks.
  - Goggles or face shield.
  - Chemical resistant apron for mixing and loading or equipment maintenance.



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## Respirators:

- Respirator with an organic vapor removing cartridge with a pre-filter approved for pesticides (MSA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with and N, P, R, or HE filter.



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- **Respirator use:**

- Medical evaluation/questionnaire before use to determine fitness for use.
- Fit Test - annually before use.
- Fit Check - before each use.



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**Ground equipment applicators and  
flaggers must be in enclosed cabs,  
per 40CFR 170.240 (d) (5) .**

- Enclosed cabs = engineering controls.
- Label conflict with 40CFR 170.240 (d) (5),  
engineering controls and respiratory  
protection device guidance





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- **From 40CFR 170.240 (d) (5)**
  - If a respiratory protection device is specified on the pesticide product labeling for the handling activity, it must be worn.
  - Handling activity for this product specifies a respirator.
  - Persons using a closed system shall have all labeling-specified personal protective equipment immediately available for use in an emergency.



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## AGRICULTURAL USE (WPS) REQUIREMENTS

- REI is 48 hours
- Early entry PPE – similar to handling, no respirator.
- Notification of workers by posting warning signs and warning them orally.



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## WPS for Crop Advisors:

- *Crop advisors.* Crop advisors entering treated areas while a restricted-entry interval is in effect may wear the personal protective equipment specified on the pesticide labeling for early-entry activities instead of the personal protective equipment specified on the pesticide labeling for handling activities.



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## Setbacks:

- Aircraft 300 feet
- Groundboom equipment 100 feet
  - ... of any natural body of water such as rivers, streams, ponds, lakes and reservoirs.



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## Some other label items:

- Do not graze dairy or meat animals in treated areas.
- Do not feed beet tops to livestock.
- Do not treat within 21 days of harvest.
- In Michigan, do not exceed 24.0 fluid ounces per acre per season.
- Chemigation not allowed for beets.



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## Some useful links:

- Labels
  - <http://www.cdms.net/LDat/ld8R5005.pdf>
  - <http://www.cdms.net/LDat/ld8R6006.pdf>

