

5661 Branch Road Wapato, WA 98951 800.936.6750 www.paceint.com

eFOG®-99 TBZ

POSTHARVEST

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: eFOG®-99 TBZ EPA Reg. # 64864-68

Product Code: 10484

Product Use: Wettable Powder Fungicide for Post Harvest Treatment of Listed Pome Fruits

Supplier: Pace International, LLC

Address: 5661 Branch Road, Wapato, WA 98951

Phone Number: 800-936-6750 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)

Medical Emergency Phone Number: 888-271-4649 (PROSAR)

Transportation Emergency Phone Number: 800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Classification:

Acute Oral, Category 5 Acute Inhalation, Category 5 Skin irritation, Category 2 Eye irritation, Category 2B Aquatic Toxicity, Category 1

Hazard Symbols:



Hazard Statements:

WARNING

H303 May be harmful if swallowed. H333 May be harmful if inhaled. H315 Causes skin irritation. H320 Causes eye irritation.

H410 Very toxic to aquatic life with long

lasting effects.

Precautionary Statements:

Prevention Statements:

P264 Wash hands thoroughly after handling.

P280 Wear protective clothing, chemical resistant gloves, safety glasses, goggles or face shield and a NIOSH approved particulate respirator with any N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with HE filter with NIOSH approval number prefix TC-

21C.

P273 Avoid release to the environment.

Response Statements:

P304/312 IF INHALED: Call a POISON CENTER/doctor if you feel

unwell.

P302/352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment See Section 4 First Aid Measures.
P332/313 If skin irritation occurs: Get medical advice/attention.
P362/364 Take off contaminated clothing and wash it before reuse.
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P337/313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage. **Disposal Statements:**

P501 Dispose of contents/container should be made in accordance with applicable regional, national and local laws and regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient CAS # Concentration (w/w %)

Thiabendazole 148-79-8 98.75 % Proprietary food grade ingredients balance

4. FIRST AID MEASURES

General Have the product container, label or Safety Data Sheet with you when calling a poison control

Advice: center or physician, or going for treatment.

If on Skin: Take off contaminated clothing. Wash skin with plenty of soap and water. If redness, burning, or

irritation persists, get medical advice/attention. Wash contaminated clothing before reuse.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact

lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical $\,$

advice/attention.

If Swallowed: 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 give anything by mouth to an unconscious

nerson

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give

artificial respiration, preferably mouth-to-mouth, if possible.







5. FIRE FIGHTING MEASURES

Extinguishing Media: Use foam, dry chemical, carbon dioxide, or water spray when fighting fires.

Special Exposure Hazards: Can burn in fire, releasing irritating and toxic gases due to thermal

decomposition or combustion. Combustion products are Carbon and Nitrogen

oxides. Can form explosive mixture with air in dusty conditions.

Special Protective Equipment /

Procedures for Firefighters: Wear self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective clothing, chemical resistant gloves, safety glasses, and a

dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

or a NIOSH-approved respirator with any N, R, P or HE filter.

Environmental Precautions: In case of spill isolate area and deny entry to unnecessary personnel. Do not

allow product to enter sewers, lakes, streams or other bodies of water.

Containment / Clean-Up Stop spill at the source. Cover powder spill with plastic sheet or tarp to

Methods: minimize spreading and keep powder dry. Take up mechanically, placing in

appropriate container for disposal.

7. HANDLING & STORAGE

Handling: Avoid contact with skin and eyes. Good standards of hygiene should be maintained at all

times. Smoking, eating, and drinking are prohibited in the work area. For personal protection wear protective clothing, chemical resistant gloves, safety glasses, and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH-

approved respirator with any N, R, P or HE filter.

Storage: Store in a cool, dry area at room temperature, and away from direct sunlight. Keep

container tightly closed when not in use. Keep out of reach of children and livestock.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: Thiabendazole CAS# 148-79-8

Not established.

Engineering Controls: Local exhaust ventilation maybe necessary to control air contaminants to their

exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined

spaces.

Personal Protective Equipment : Clothing: Wear protective clothing and chemical resistant gloves when

handling

Eye Protection: Wear safety glasses, goggles or face shield. Eye fountain

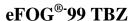
and washing facilities should be present at work area.

Respiratory Protection: Applicators and other handlers must wear a NIOSH approved particulate respirator with any N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator

with HE filter with NIOSH approval number prefix TC-21C









9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Fine white powder Upper/Lower flammability Not available

limits:

Odor: Odorless Vapor pressure: 4.6 x10⁻⁶ mPa @ (25°C)

Odor threshold:Not availableVapor density: (air =1)Not availablepH:6.0-7.0Specific Gravity: ($H_2O = 1$)1.34 g/ml

Melting/Freezing point: 568 - 576°F (298 – **Solubility:** 22.7 mg/L @ 77°F

(25°C)

Boiling point: Not applicable Partition coefficient Not available

(n-octanol-water):

302°C)

Flash point:Not flammableAuto-ignition temperature:Not availableEvaporation rate:Not availableDecomposition temperature:Not availableFlammability (solid, gas):Not applicableViscosity:Not available

10. STABILITY & REACTIVITY

Reactivity hazards: None known

Chemical stability: Stable at ambient conditions

Conditions to avoid: Temperatures above 115°F (46°C)

Incompatible materials: Acidic and oxidizing materials

Hazardous decomposition Thermal decomposition may produce hydrogen chloride and oxides of

products: nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Acute Oral: LD_{50} (estimate): > 3100 mg/kg Based on Ingredients

Acute Dermal: LD_{50} (estimate): > 5000 mg/kg Based on Ingredients Inhalation: LC_{50} (estimate): > 0.5 mg/L Based on Ingredients

Skin corrosion/irritation: Causes skin irritation, may be harmful if absorbed through skin.

Eye damage/irritation: Causes eye irritation

Respiratory/Skin

sensitization: May be harmful if inhaled, can cause respiratory irritation.

Germ cell mutagenicity: Not available

Carcinogenicity: No carcinogenic effects are expected due to product being comprised of FDA-

approved food-grade ingredients.

Reproductive toxicity: Occasional workplace exposure is not expected to present a hazard.

Target organ effects: No known target organ effects.

Aspiration hazard: Material does not present an aspiration hazard.

Potential health effects: May cause eye and skin irritation. May be harmful if swallowed.

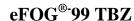
12. ECOLOGICAL INFORMATION

Toxicity: LC50 - Oncorhynchus mykiss (rainbow trout) 0.39 mg/l – 96.0 h

EC50 – Daphnia magna (Water flea) 0.31 mg/l – 48.0 h

Persistence/ degradability: Not available
Bioaccumulative potential: Not available
Mobility in soil: Not available

Other adverse effects: Very toxic to aquatic life with long lasting effects.





UN number:

13. DISPOSAL CONSIDERATIONS

Disposal methods: Recover or recycle if possible. Do not discharge into sewers, lakes, streams, or other

bodies of water. Disposal should be made in accordance with applicable regional, national and local laws and regulations. Consult appropriate regulatory officials for information on disposal, keeping in mind that local regulations may be more stringent

than regional or national requirements.

14. TRANSPORT INFORMATION

<u>DOT</u> **IMDG** Not applicable UN 3077

Proper shipping name: Not regulated Environmentally Hazardous Substance.

solid, n.o.s. (2-(Thiazole-4-yl)benzimidazole)

Not applicable Ш

Hazard class(es): Packing group: Not applicable

Special precautions: None

15. REGULATORY INFORMATION

Shield-Brite TBZ 99WP is registered with the U.S. EPA under registration number 64864-68

Contains thiabendazole (CAS # 148-79-8), which is subject to SARA Title III Section 313 **SARA 313:**

reporting requirements.

All components of this product are included or exempt from inclusion in EPA's Toxic TSCA:

Substances Control Act (TSCA) Chemical Substance Inventory.

This product has been classified in accordance with the hazard criteria of the CPR and the WHMIS:

SDS contains all of the information required by the CPR.

16. OTHER INFORMATION

HMIS Ratings:

Health – 2 Flammability – 0 Reactivity – 0

<u>IATA</u> UN 3077

Ш

Environmentally

yl)benzimidazole)

Hazardous Substance, solid, n.o.s. (2-(Thiazole-4-



The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, to the extent consistent with applicable law, Pace International, LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, to the extent consistent with applicable law, neither Pace International, LLC nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. Except to the extent a particular use and particular information are expressly stated on the product label, it is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Pace International, LLC) to confirm that you have the most current product label and SDS.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the EPA under the authority of FIFRA through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use an EPA-registered pesticide product in any manner inconsistent with its labeling.

SDS preparation date: May 26, 2015 Replaces MSDS dated: December 12, 2012

Changes since last New format to SDS

revision: