

# MATERIAL SAFETY DATA SHEET

Emergency Phone: Chemtrec 800-424-9300

Effective Date: December 12, 2007

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Tebucure 3.6F Fungicide

**DESCRIPTION:** A liquid fungicide.

EPA Reg. No. 83222-19

**COMPANY IDENTIFICATION:**

DIRECT AG SOURCE, LLC

30473 260<sup>TH</sup> ST.

ELDORA, IA 50627

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Ingredient</u> | <u>Chemical Name</u>  | <u>Chemical Formula</u>                            | <u>CAS Number</u> | <u>Composition</u> |
|-------------------|---|--|-------------------|--------------------|
| Tebuconazole      | (±)-α-[2-(4-chlorophenyl)ethyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol | C <sub>16</sub> H <sub>22</sub> ClN <sub>3</sub> O | 107534-96-3       | 38.7%              |

## 3. HAZARD IDENTIFICATION

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:** Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to estuarine and marine invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

## 4. FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

**IF ON SKIN OR CLOTHING:** Call a poison control center or doctor for treatment advice. Take off contaminated clothing. Rinse skin immediately with water for 15-20 minutes.

**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. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. 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 person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** This compound does not cause any definite symptoms that would be diagnostic. No specific antidote, treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Flash point (PMA-4):** > 212°F (> 100°C)

**Flammable Limits (LFL-UFL):** N/A

**Fire and Explosion Hazards:** Can burn in fire releasing irritating and toxic gasses due to thermal decomposition or combustion.

**Means of Extinction:** Use foam, dry chemical, carbon dioxide or water spray.

**Fire Fighting Instructions:** Evacuate area and fight fire upwind a safe distance. Keep unnecessary people away and deny entry to hazard area. Use as little water as possible and use spray or fog and avoid heavy hose streams to prevent runoff. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical extinguishing systems are preferred to prevent environmental damage due to runoff. Equipment or materials involved in pesticide fires may become contaminated.

**Firefighting Equipment:** Self-contained breathing apparatus with full face piece and full bunker gear.

**Hazardous Combustion Products:** Carbon dioxide and nitrogen oxides.

**NFPA Ratings:** Health – 1 / Flammability – 1 / Reactivity – 1

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Ventilate spill area and avoid breathing vapors. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water. Clean up spill using an absorbent material (such as sand, earth or a proprietary absorbent material) and transfer liquids and contaminated solids to separate suitable containers for recovery or disposal. Clean contaminated floors and objects thoroughly, being sure to observe environmental regulations. Contaminated soils may need to be removed and disposed.

## 7. HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Keep from freezing, store above 40°F. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, water, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to the Precautionary Statements section on this label for hazards associated with the handling of this material. Do not walk through spill or leak incidents, keep unauthorized people away..

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** To avoid exceeding exposure limits, handle only with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** Chemical-resistant gloves such as nitrile, butyl, neoprene, and/or barrier laminate. Long-sleeved shirt, long pants and shoes plus socks.

**General:** Wash thoroughly with soap and water after handling. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Discard clothing and other absorbent materials that have been heavily contaminated with this product; do not reuse them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Off-white opaque liquid

**Odor:** Chalk-like

**pH:** 7.1 – 7.3

**Viscosity:** 705.8 centistokes @ 20°C

**Density:** 1.083 g/ml @ 20°C

**Solubility in Water:** Soluble

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Temperature extremes, freezing, direct sunlight.

**CHEMICAL STABILITY:** Stable under normal use and storage conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield carbon dioxide and nitrogen oxides.

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

Oral LD<sub>50</sub> (rat): 3,776 mg/kg

### ACUTE DERMAL TOXICITY

Dermal LD<sub>50</sub> (rat): > 2,011 mg/kg

### ACUTE INHALATION TOXICITY

Inhalation LC<sub>50</sub> (rat): > 2.5 mg/L

### EYE IRRITANT

Rabbit – Causes minimal eye irritation.

### SKIN IRRITATION

Rabbit – Causes mild skin irritation

### SENSITIZATION

Guinea Pig – Not a Contact Sensitizer

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known.

### CARCINOGENICITY:

**ACGIH:** Not listed

**IARC:** Not listed

**NTP:** Not listed

**OSHA:** Not listed

**MUTAGENIC DATA:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**ADDITIONAL DATA:** Not known to cause reproductive or birth defects at normal exposure levels.

## 12. ECOLOGICAL INFORMATION

This pesticide is toxic to estuarine and marine invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

### 13. DISPOSAL CONSIDERATIONS

**Do not contaminate water, food or feed by disposal.**

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) empty containers. Then offer for recycling or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### 14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by DOT

MARINE POLLUTANT: No

### 15. REGULATORY INFORMATION

#### **FIFRA –**

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

#### **SARA Title III – Section 302 Extremely Hazardous Substances**

Not Listed

#### **SARA Title III – Section 311/312 Hazard Categories**

Immediate

#### **SARA Title III – Section 312 Threshold Planning Quantity**

N/A

#### **SARA Title III – Section 313 Reportable Ingredients**

None

#### **CERCLA –**

None Listed

#### **CALIFORNIA PROP 65 STATUS –**

This product does not contain any chemicals known to the state of California to cause cancer or reproductive harm.

### 16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

#### **DISCLAIMER:**

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