



## SAFETY DATA SHEET

### TIPPEX 45% WG

Revision Date: 10.12.2013

#### SECTION 1: PRODUCT IDENTIFICATION

**Product name:** Tippex 45% WG

**IUPAC name:** (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl) pentan-3-ol

**Chemical formula:** C<sub>16</sub>H<sub>22</sub>ClN<sub>3</sub>O

**Use:** Fungicide

**Producer:** Almandine Corporation SA  
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Switzerland

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#### SECTION 2: HAZARDS IDENTIFICATION

**Symbol:**  

**Xn: Harmful N: Dangerous for the environment**

**R Phrases:**

**R22** Harmful if swallowed  
**R36** Irritating to eyes  
**R63** Possible risk of harm to the unborn child  
**R51/53** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety Phrases:

S2	Keep out of the reach of children
S22	Do not breathe dust
S36/37	Wear suitable protective clothing and gloves
S61	Avoid release to the environment. Refer to special instructions/ Safety data sheets



**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Component	CAS No.	Conc. (g/kg)	Symbol	R-phrases
Tebuconazole	107534-96-3	450	Xn, N	R22, R63, R51/53

See Sections 2 and 16 for R-phrase explanations

**SECTION 4: FIRST AID MEASURES**

If poisoning occurs, immediately contact a doctor or Poisons Information Centre and follow the advice given. Show this Safety Data Sheet to the doctor.

- Inhalation:** If inhaled, remove to fresh air, keep warm and at rest. Administer oxygen or artificial respiration if needed. Seek medical attention if concerned.
- Ingestion:** Do not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.
- Skin contact:** Remove contaminated clothing and footwear. Wash affected areas with large amounts of water. Seek medical advice if concerned.
- Eye contact:** Rinse eyes with plenty of water keeping the eyelids open for at least 15 minutes. Get medical attention if concerned.
- Treatment:** There is no specific antidote. Treat symptomatically and give supportive therapy. If ingested, perform gastric lavage and administer activated charcoal.

**SECTION 5: FIRE FIGHTING MEASURES**

Keep fire-exposed containers cool by spraying with water.

- Extinguishing media:** For small fires, use foam, carbon dioxide or dry powder. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.
- Protective equipment:** A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.
- Hazardous thermal decomposition products:** CO, CO<sub>2</sub>, NO<sub>x</sub> and chlorides

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- Personal precautions:** Wear PPE as recommended in section 8. Avoid dust formation.



**Environmental precautions:** Prevent product from entering drains.

**Clean-up methods:** Sweep or vacuum up spillages. Wash the spillage area with water and adsorb onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Washings must be prevented from entering surface water drains.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Do not breathe fumes. Avoid contact with skin and Eyes.

**Storage:** Keep locked up. Keep container tightly closed. Keep only in the original container in a cool (<50°C), well-ventilated place. Keep container dry.

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Occupational Exposure limits:** Not established for tebuconazole

**Engineering controls:** Use only in well-ventilated areas. If necessary, use local exhaust ventilation to keep airborne concentration below exposure limits.

**Personal protective equipment:** Wear face shield or goggles.  
Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, heavy-duty shoes or boots.  
Wear elbow length butyl rubber gloves.  
If working in a poorly ventilated area or if occupational exposure levels are likely to be exceeded, wear a respirator with filter for vapours.  
After each day's use, wash gloves, goggles or face shield, respirator if worn, and contaminated clothing.

Do not re-enter treated areas without protective clothing until spray residue has dried.

### SECTION 9: PHYSICAL / CHEMICAL PROPERTIES

**Physical state:** Solid white granules

**Odour:** Slight odour

**Melting point:** 105°C (technical material)

**Vapour pressure:**  $1.7 \times 10^{-3}$  mPa, 20°C (technical material)

**Solubility (g/l at 20°C):** 36 mg/L (technical material)



**K<sub>ow</sub>:** log P = 3.7 (technical material)

#### SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Protect from sunlight, open flame and source of heat. Decomposes upon heating.

**Materials to avoid:** Avoid contact with strong acids and strong bases.

**Hazardous decomposition products:** CO, CO<sub>2</sub>, NO<sub>x</sub> and chlorides.

#### SECTION 11: TOXICOLOGICAL INFORMATION

(based on comparable formulation)

**Acute oral toxicity:** LD<sub>50</sub> rat >2000 mg/kg (GHS category 5)

**Acute dermal toxicity:** LD<sub>50</sub> rat >2000 mg/kg (GHS category 5)

**Inhalation toxicity LC<sub>50</sub> rat:** >5 mg/mL (technical material)

**Skin irritation:** Non-irritant

**Eye irritation:** Irritant

**Skin sensitisation:** Not a skin sensitiser

**WHO toxicity classification:** III; slightly hazardous

#### SECTION 12: ECOLOGICAL INFORMATION

(based on technical material)

**Fish toxicity:** LC<sub>50</sub> 96 h rainbow trout 4.4 mg/L

**Bird toxicity:** LD<sub>50</sub> Bobwhite quail 1988 mg/kg

**Daphnia toxicity:** EC<sub>50</sub> 48 h *Daphnia magna* 2.79 mg/L

**Algal toxicity:** LD<sub>50</sub> 72 hr Green algae 3.80 mg/L

#### SECTION 13: DISPOSAL CONSIDERATIONS

##### Waste treatment methods

**Product:** Dispose of waste product through an official waste contractor.  
Obtain advice from local waste regulation authority.

**Contaminated packaging:** Triple- or pressure-rinse containers before disposal.  
Add rinsings to spray tank.



Do not dispose of undiluted chemicals on-site. Do not burn empty containers. Recycle, or return to supplier through local schemes if applicable. Disposal should be in accordance with local, state or national legislation

#### **SECTION 14: TRANSPORTATION INFORMATION**

<b>UN number:</b>	3077		
<b>UN Proper Shipping Name:</b>	Environmentally hazardous substance, solid, N.O.S. (contains tebuconazole)		
<b>Transport hazard class:</b>	ADR/RID: 9	IMDG: 9	IATA: 9
<b>Packaging group:</b>	ADR/RID: III	IMDG: III	IATA: III
<b>Environmental hazard:</b>	ADR/RID: Yes	IMDG: Marine pollutant: Yes	IATA: Yes

#### **SECTION 15: REGULATORY INFORMATION**

No additional regulatory information.

#### **SECTION 16: OTHER INFORMATION**

**Additional relevant risk phrases:**

There is no additional risk phrases associated with this substance.

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within the safety data sheet since the customer's treatment of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate trials that the product is suitable for his intended use.

Reason for revision: update to sections 1, 2, 3,11, 12 and 15