

April 25EW™

MATERIAL SAFETY DATA SHEET

SECTION 1 Chemical product and Company identification

Product Name: April 25EW™ (Tebuconazole)

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

Formula: C₁₆H₂₂ClN₃O

Product Use: Commercial Fungicide

Supplier: SINERIA HOLLAND BV
Randwycksingel 20-A015
6229 EE Maastricht The Netherlands
www.sineria.com

SECTION 2 Composition/Information on Ingredients

<u>Product Name</u>	<u>Quantity</u>	<u>CAS RN</u>
Tebuconazole	250 gr/lt	107534-96-3

SECTION 3 Hazards Identification

Health Effects:

- No adverse health effects are expected if this product is used in accordance with the label. No specific symptoms of poisoning should be expected.
- Chronic - Animal studies have shown no evidence of oncogenic effect, carcinogenic effects or teratogenic potential.

Swallowed: Harmful if swallowed

Skin: Will irritate the skin.

Eye: Will irritate the eyes.

SECTION 4 First Aid Measures

General advice: Move out of dangerous area. Remove contaminated clothing immediately and dispose of safely. Place and transport victim in stable position (lying sideways). Contact a doctor or Poisons Information Centre.

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Inhalation: Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center.

Skin contact: Wash off immediately with soap and plenty of water. Call a physician or poison control center immediately.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After the first 5 minutes remove contact lenses, if any, any continue rinsing. Call a physician or poison control center immediately.

Ingestion: Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

Notes to Physician – Treatment: Apply basic aid and decontamination procedures. Treat symptomatically. There is none known antidote.

SECTION 5 Fire Fighting Measures

Suitable extinguish media: Dry chemical, foam, sand and water fog.

Fire fighting instructions: As in any fire, wear self-contained breathing apparatus pressure-demand and full protection gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke, fumes and breathing vapors. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. This product is not flammable under normal conditions of use

Hazardous Decomposition products: In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated.

Hazardous Reactions: Avoid strong oxidising agents.

Further information: Contain the spread of the fire-fighting media. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6 Accidental release measures

General and disposal: Use proper protective equipment to minimize personal exposure. Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with regulations.

Personal Precautions: Avoid contact with spilled product or contaminated surfaces. Wear personal protective equipment. Unprotected persons must be kept away. Keep away sources of ignition.

Environmental Precautions: Do not discharge into the drains/surface water/groundwater.

Methods for Cleaning Up: Prevent spill from spreading or entering waterways or drains. Take up with absorbent material such as sawdust, peat or binding agent for chemicals. Fill material along with any contaminated soil etc. into sealable containers. Clean affected area with an aqueous detergent and a small amount of water. Absorb this with hydrated lime and place in a sealable drum. On completion of clean-up remove and wash all protective clothing and equipment with detergent and water. Any heavily contaminated



clothing should be placed in a plastic garbage bag and placed in a sealable drum. Do not smoke, eat or drink during the clean-up operation.

Additional Advice: Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.

SECTION 7 Handling and storage

Handling: Avoid contact with eyes or clothing. Do not use near heat or open fire.

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store in a cool, dry and well ventilated place out of reach of children. Keep product in the original container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

SECTION 8 Exposure controls/Personal protection

Exposure Standards: NOHSC exposure standards have not been allocated for the active constituent or the excipients in the formulation.

Engineering Controls: Not applicable.

Personal Protective Measures: Avoid contact with eyes, skin and clothing during mixing/pouring operations. Ensure adequate ventilation. Do not inhale spray mist or vapour.

Personal Protective Equipment: When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves.

Industrial Hygiene: If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product or spray on skin, immediately wash the area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing, gloves etc. with detergent and water.

SECTION 9 Physical & Chemical properties

Appearance: Light brown, clear liquid

Acidity (as H₂SO₄): 0.5%max



SECTION 10 Stability & Reactivity

Stability: Stable under normal condition. No hazardous reactions are expected when stored and handled according to prescribed instructions.

SECTION 11 Toxicological Information

Acute Toxicity /Irritation Studies

Ingestion: Acute oral LD₅₀ >5000 mg/kg (male rats); LD₅₀ 3352-3933 mg/kg (female rats)

Inhalation: Acute inhalation LD₅₀ 818 mg/m³ (Rat)

Dermal: Acute dermal LD₅₀ (Rat) >5000 mg/kg

Eye Contact: Mildly Irritating (Rabbit)

SECTION 12 Ecological Information

Summary of Effect:

Tebuconazole has been evaluated for developmental toxicity in oral studies using mice, rats and rabbits. In mice treated at dose levels ranging from 1-100mg/kg, the NOELs for maternal and developmental toxicity were 3 and 10mg/kg. The NOELs for maternal and developmental toxicity were 30 and 60mg/kg respectively. For rabbits treated at dose levels of 10, 30 or 100 mg/kg, the NOELs for maternal and developmental toxicity were less than 10 and 30 mg/kg. In dermal teratology studies on rats and mice, tebuconazole was administered during gestation at dose levels of 100,300 or 1000mg/kg. In rats, there was no indication of maternal or developmental toxicity; therefore, the maternal and developmental NOEL was 100mg/kg. In mince, the NOELs for maternal and developmental toxicity were 100 and 300 mg/kg, respectively.

SECTION 13 Disposal Considerations

After intended use: Triple or (preferably) pressure rinse container before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. Break, puncture, crush and bury rinsed container in a local authority landfill (check local statutory requirements). If not available, bury the container below 500 mm in a marked disposal pit specifically set up for this purpose, clear of waterways, vegetation and roots. Empty container and product should not be burnt.

After spill or accident: Dispose of sealed containers at an approved local waste disposal site.

SECTION 14 Transport Information

ADR/RID/ADNR: Not Regulated

IATA: Not Regulated

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SECTION 15 Regulatory Information

- Xn: Harmful
- N: Dangerous for the environment

SECTION 16 Other Information

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for with other materials or in processes other than those specifically described herein.

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