


## Safety Data Sheet

### Corona 250 EW L 7603 (Act 36 of 1947)

Date of issue: 25-06-2010

Date revised: 25/04/2016

1) PRODUCT AND COMPANY IDENTIFICATION	
Product name:	CORONA 250 EW
Other means of identification:	Tebuconazole 250 g/L EW
Recommended use:	Fungicide
Restrictions on use:	Agriculture
UN No:	2902
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 www.agritech.co.za
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 TYGERBERG: 021 931 6129 RED CROSS: 021 689 5227 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946.
Chemical Name:	(±)-α-[2-(4-chlorophenyl)ethyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol
2) Hazards Identification:	
Product Classification:	F+; Xi; R11; R20/21/22; R36/38; R40; R41; R51 Full text of phrases; see section 15
Label Elements:	Hazard symbols: F+ - Extremely flammable Xi – Irritant     Signal Word: Flammable; Irritant
Health effects: eyes:	May cause irritation and damage.
Health effects: skin:	May cause irritation
Health effects: ingestion	May be harmful
Health effects: inhalation	May be harmful.
3) Composition Details:	
COMPOSITION	Tebuconazole
	250 g/l
4) First Aid Measures:	

<p><b>Inhalation:</b></p> <p><b>Skin contact:</b></p> <p><b>Eye contact:</b></p> <p><b>Ingestion</b></p> <p><b>Advice to physician:</b></p>	<p>Remove patient to fresh air. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.</p> <p>Immediately flush body with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Seek medical assistance should irritation persist.</p> <p>Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. <b>Seek medical assistance.</b></p> <p>Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre. <b>Seek medical assistance immediately.</b></p> <p>Treat symptomatically. Perform gastric lavage and give medicinal charcoal in water if ingested.</p>
<p><b>5) Fire-Fighting Measures:</b></p>	
<p><b>Flash point:</b></p> <p><b>Extinguishing Media:</b></p> <p><b>Fire Fighting:</b></p>	<p>&gt; 90 C</p> <p>Water, CO<sub>2</sub>, Dry Chemical or Foam. Water can be used for larger fires or cooling of unaffected stock. But avoid accumulation of polluted run-off from site.</p> <p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Dyke fire control water for later disposal. Do not scatter the material. Avoid pollution of waterways.</p> <p>Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal.</p> <p>HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub>, NO<sub>x</sub> and Chlorides.</p>
<p><b>Protective clothing:</b></p>	<p>Full protective clothing and self-contained breathing apparatus</p>
<p><b>6) Accidental Release Measures:</b></p>	
<p><b>Personal precautions:</b></p> <p><b>Environmental precautions:</b></p> <p><b>Occupational spill:</b></p>	<p>Avoid contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8.</p> <p>Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately. Considered as a marine pollutant.</p> <p>Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material such as sand, soil, diatomaceous earth etc. and place in waste containers. Prevent product from spreading. If spill does enter waterways contact the local authority. Dyke contaminated area of large spill. Remove and dispose of heavily contaminated soil layer. Collect in an appropriate sealable container for disposal by incineration or disposal at a chemical waste disposal facility. Wash area with water containing soda and detergent and absorb with further inert material. Dispose of waste safely in an approved landfill.</p>
<p><b>7) Handling &amp; Storage:</b></p>	

<b>Handling:</b>	Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Ensure proper ventilation when using open containers. Always wash hands before going on breaks; eating, drinking, chewing gum, using tobacco or the toilet. Wash clothing thoroughly before re-use.
<b>Storage:</b>	Store in original container tightly closed and in a locked, dry, ventilated, cool area away from foodstuffs, fertilisers and seeds.

**8) Exposure Control / Personal Protection:**

<p>It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.</p> <p><b>Occupational Exposure Limits:</b></p> <p><b>Engineering controls:</b></p> <p><b><u>PERSONAL PROTECTIVE EQUIPMENT:</u></b></p> <p><b>Clothing:</b></p> <p><b>Gloves:</b></p> <p><b>Eye protection:</b></p> <p><b>Emergency eye wash:</b></p>	<p>Not available</p> <p>Not available</p> <p>Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance. Particulate filter should be worn if spray is encountered.</p> <p>Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance</p> <p>The use of safety goggles or face shield is recommended.</p> <p>Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.</p>
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**9) Physical & Chemical Properties:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear yellow
<b>Odour:</b>	Odourless
<b>Solubility:</b>	Emulsifiable
<b>pH:</b>	6.5 - 8.5
<b>Odour threshold:</b> <b>Melting point / Freezing point</b> <b>Initial boiling point and boiling range</b> <b>Flash</b> <b>point:</b> <b>Evaporation rate:</b> <b>Flammability (solid, gas)</b> <b>Upper/ lower flammability or explosive limits:</b> <b>Vapour pressure:</b> <b>Vapour density:</b> <b>Relative density:</b> <b>Partition coefficient: n-octanol/water</b> <b>Auto-ignition</b> <b>temperature:</b> <b>Viscosity:</b>	Not available 105°C (Tebuconazole) Not available >90°C Not available Highly flammable Not available 0.0017 mPa 20°C (Tebuconazole) Not available Not available Log K <sub>ow</sub> 3.7 (Tebuconazole) Not available Not available

**10) Stability & Reactivity:**

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<p><b>Stability:</b></p> <p><b>Conditions to avoid:</b></p> <p><b>Incompatible materials:</b></p> <p><b>Hazardous decomposition product(s):</b></p>	<p>When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Protect from sources of heat.</p> <p>Avoid exposure to sunlight, open flames and sources of heat.</p> <p>Strong oxidizing agents.</p> <p>Incompatible or can react with strong acids, strong bases and oxidising agents.</p>
<p><b>11) Toxicological Information:</b></p>	
<p>Inhalation 4 h LD50 : 0.37 mg/l air, rat.  Dermal LD50 : &gt; 5,000 mg/kg , rabbits  Oral LD50 : &gt; 1600 mg/kg , male rat,</p> <p>Skin irritation : Not a skin irritant, rabbit.  Eye irritation : Moderate irritant, rabbit.</p> <p>Sensitisation : Animal test did not cause sensitization by skin contact., guinea pig</p>	
<p><b>12) Ecological Information:</b></p>	
<p>Bees : Oral LD50 (48h) 83 µg/bee; Contact &gt;2 µg/bee.  Birds : Oral LD50 Japanese quail &gt; 4,000 mg/kg (male); &gt; 2,000 mg/kg (female), Bobwhite quail &gt;1,900 mg/kg.  Fish : LC50 (96h) Rainbow trout &gt; 4,0 mg/l.  Daphnia : LC50 (48h) &gt; 4.0 mg/l.  Algae : EC<sub>50</sub> (72h, static) <i>Selenastrum capricornutum</i> 3.80 mg/l Worms :  LC<sub>50</sub> (14d) <i>Eisenia foetida</i> 1381 mg/kg dry soil.</p> <p>Persistence: The compound did not accumulate in soil during long term studies.</p>	
<p><b>13) Disposal Considerations:</b></p>	
<p><b>Waste Disposal :</b> Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</p> <p><b>Container Disposal :</b> Refer to the product label for instructions.  Container Refilling and Disposal:  If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. If not recycling, perforate, flatten and bury empty containers in a local authority landfill.  <b>DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.</b>  Do not transport if this container is damaged or leaking.</p>	
<p><b>14) Transportation Information:</b></p>	
<p>UN NUMBER: 2902  Road Transport ADR / RID:  Class: 9  Packaging group: III Labelling  no: 9  Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazole)</p> <p>Air Transport IATA / ICAO:  Class: 9  Packaging group: III Labelling no:  9  Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazole)</p> <p>Maritime Transport IMDG / IMO:  Class: 9  Packaging group: III Labelling  no: 9  Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazole)</p>	
<p><b>15) Regulatory Information:</b> R11; R20/21/22; R36/38; R40; R41; R51</p>	

**Symbols:** Xn – Harmful  
Xi – Irritant  
F+ - Extremely flammable

**Risk Phrases:**

R11 – Highly Flammable  
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.  
R36/38 – Irritating to eyes and skin.  
R40 – Limited evidence of a carcinogenic effect.  
R41 – Risk of serious damage to eyes.  
R51/53 Toxic to aquatic organisms may cause long term effects in the aquatic environment.

**Safety Phrases:**

**S1/2** Keep locked up and out of the reach of children.  
**S13** Keep away from food, drink and animal feedingstuffs.  
**S16** Keep away from sources of ignition – No smoking.  
**S20/21** When using do not eat, drink or smoke.  
**S23** Do not breathe vapour/spray.  
**S24/25** Avoid contact with skin and eyes.  
**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**S35** This material and its container must be disposed of in a safe way.  
**S36/37/39** Wear suitable protective clothing, gloves and eye/face protection.  
**S57** Use appropriate containment to avoid environmental contamination.  
**S61** Avoid release to the environment. Refer to special instructions/Safety data sheets.  
**S62** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**16. Other Information**

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.

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