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# MATERIAL SAFETY DATA SHEET

Revised edition no: 3

Date: 19/02/2021

Supersedes:  
15/06/2014

## SHAVIT 15 FS

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

**Trade name** : SHAVIT 15 FS  
**Product code** : R-8112  
**Chemical formula** : C14H18CIN3O2  
**Type of product** : Fungicide  
**Relevant identified uses** : Fungicide  
**Company identification** : ADAMA SOUTH AFRICA (PTY) LTD  
Ground Floor, Simeka House  
The Vineyards Office Estate  
99 Jip de Jager Drive  
Bellville, 7530  
**Emergency phone nr** : [SDS@ADAMA.COM](mailto:SDS@ADAMA.COM)  
**Telephone No.** : +27 82 446 8946  
+27 86 155 5777  
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### SECTION 2. Hazards identification

**Environmental hazard** : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### SECTION 3. Composition/information on ingredients

**Components** : This product is considered to be hazardous and contains hazardous components. **Substance name** **Concentration % w/w** **CAS**

No EC No Index No REACH Reg. Classification

Triadimenol	:	15 %	55219-65-3	259-537-6	----	----	Xn; R22 R52-53
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### SECTION 4. First aid measures

#### First aid measures

**Inhalation** : Move victim to fresh air. Keep victim warm and at rest. If breathing is difficult, give oxygen. Remove victim give artificial respiration. Obtain medical attention.

**Skin contact** : Remove contaminated clothing and shoes. Wash off with plenty of water and soap. Consult a doctor in the event of any complaints.

**Eye contact** : Flush with lukewarm water for 15 minutes. If pain persists, consult an eye specialist.

**Ingestion** : Do not induce vomiting. Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. Consult a doctor.

**Note to physician** : No specific antidote known. Treat symptomatically and give supportive therapy. If ingested perform gastric lavage and administer activated charcoal.

### SECTION 5. Fire-fighting measures

**Suitable extinguishing media** : For small fire : dry chemical , carbon dioxide . For large fire: foam , water fog , water spray .

**Specific hazards** : Thermal decomposition may generate : carbon dioxide , carbon monoxide , nitrogen oxides , chlorides , hydrogen chloride .



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**Protection against fire** : Wear suitable protective clothing . Self-contained breathing apparatus.  
**Special procedures** : Fight fires from a protected location . Dike fire control water for later disposal.

### SECTION 6. Accidental release measures

**For emergency responders** : Use appropriate protection (see section 8).  
**Environmental precautions** : Dispose of this material and its container at hazardous or special waste collection point If the product has contaminated surface water, inform the appropriate authorities.  
**Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it.

### SECTION 7. Handling and storage

**Handling** : Avoid contact with skin and eyes.  
**Storage** : Keep locked up . Keep container tightly closed. Keep only in the original container in a cool, well ventilated place. Keep container dry . Avoid temperatures above 50 °C .

### SECTION 8. Exposure controls/personal protection

**TLV® -TWA [mg/m<sup>3</sup>]** : (USA) Triadimenol : Not established

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower . Wash hands thoroughly after handling. Wash clothing before re-using.

- **Respiratory protection** : During spraying wear suitable respiratory equipment.
- **Hand protection** : Wear suitable gloves. ( PVC ).
- **Skin protection** : Wear protective clothing .
- **Eye protection** : Chemical goggles or safety glasses.

### SECTION 9. Physical and chemical properties

**Physical state at 20 °C** : Liquid  
**Colour** : White  
**Odour** : characteristic  
**Melting point [°C]** : Triadimenol : 110.5 - 126.5  
**Flash point [°C]** : 150  
**Flammability** : Not flammable ( Combustible )  
**Vapour pressure [20°C]** : 5.6 x 10<sup>-7</sup> Pa at a temperature of 25°C  
**Specific gravity** : 1.02-1.03  
**Log P octanol / water at 20°C** : 3.2 (pH 7)  
**Explosion limits** : Not explosive

### SECTION 10. Stability and reactivity

**Chemical stability** : Stable under normal conditions.  
**Hazardous decomposition products** : Thermal decomposition may generate : carbon dioxide , carbon monoxide , nitrogen oxides , chlorides , hydrogen chloride .  
**Materials to avoid** : Avoid contact with : strong bases , strong acids .  
**Conditions to avoid** : Protect from sunlight , open flame and sources of heat . Decomposes upon heating.



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### SECTION 11. Toxicological information

<b>Toxicity information</b>	: The data below are for Triadimenol :
- Rat oral LD50 [mg/kg]	: 825 ( for this product Calculated : > 2000)
- Dermal, Rat LD50 [mg/kg]	: > 2000
- Rat inhalation LC50 [mg/l/4h]	: > 5.21
<b>Dermal irritation (rabbit)</b>	: Not irritating
<b>Eyes irritation (rabbit)</b>	: Not irritating
<b>Sensitization</b>	: Guinea pig maximization test: Non sensitizer
<b>Mutagenicity</b>	: Not mutagenic
<b>Carcinogenicity</b>	: Not carcinogenic
<b>Toxic for reproduction : Fertility</b>	: Not embryotoxic in animal experiments

### SECTION 12. Ecological information

<b>Ecological effects information</b>	: For Triadimenol :
96 H-LC50 - Rainbow trout [mg/l]	: 20.9
48 H-EC50 - Daphnia magna [mg/l]	: 25
72 H-ErC50 - Algae [mg/l]	: 14.15
96 H-EbC50 - Algae [mg/l]	: 8.95
LD50 Birds [mg/kg]	: > 2000
Bees LD50 [µg]	: Not toxic to bees
<b>Persistence - degradability</b>	: Half-life time (t1/2) = 112-472 days .
<b>Mobility</b>	: Not mobile ( soil )

### SECTION 13. Disposal considerations

<b>General</b>	: Dispose in a safe manner in accordance with local/national regulations.
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### SECTION 14. Transport information

<b>General information</b>	: Not hazardous
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### SECTION 15. Regulatory information

<b>EU Classification</b>	: This product is provisionally labelled by the supplier in accordance to the EU regulations: :
<b>R Phrase(s)</b>	: R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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### SHAVIT 15 FS

#### SECTION 16. Other information

*List of relevant R phrases (heading 3)* : R22 - Harmful if swallowed.  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Print date** : 15 / 6 / 2014

**Recommended uses and restrictions** : None.

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