



河南悦土农业科技有限公司

AOWEI AGRICULTURAL TECHNOLOGY CO., LTD.

Address: CBD Business district, No. 27, Zhengdong New District, Zhengzhou, Henan, China

Website: [www.aoweichem.com](http://www.aoweichem.com) / [www.agriplantgrowth.com](http://www.agriplantgrowth.com) Email: [admin@aoweichem.com](mailto:admin@aoweichem.com)

Tel: 0086-15324840068 Fax : 0086-371-63229

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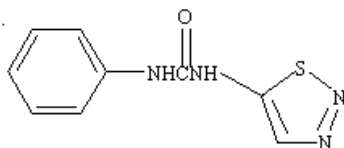
## Material Safety Data Sheet

### Thidiazuron 50% WP

#### Section 1 - Product and Company Identification

##### Material Identification

CAS Number : 51707-55-2  
Formula : C<sub>9</sub>H<sub>8</sub>N<sub>4</sub>OS  
Molecular Weight : 220.2  
CAS Name : Thidiazuron  
Grade : Formulation  
Structural Formula



##### Tradenames and Synonyms

Thidiazuron  
1-phenyl-3- (1,2,3-thiadiazol-5-yl) urea

##### Company Identification

###### MANUFACTURER:

Awei Agricultural Technology Co.,Ltd.

CBD Business district, No. 27, Zhengdong New District, Zhengzhou, Henan, China

###### PHONE NUMBERS

Telephone: 86-371-63229216 / 86- 15324840068

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#### Section 2 - Composition/Information on Ingredients

Material	CAS Number	%
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Thidiazuron	51707-55-2	50
Inert Ingredient		50

### Section 3 - Hazards Identification Including Emergency Overview

#### Potential Health Effects

Eyes: May cause mild irritation to eyes

Skin: Harmful if absorbed through the skin. Not known to be a skin irritant. Does not cause allergic skin reactions.

Ingestion: Harmful if swallowed; No specific health effects are known for ingestion of a small amount incidental to routine handling and use.

Inhalation: Harmful if inhaled. Excessive dust inhalation in a confined area may cause congestion and irritation to the respiratory system.

#### Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

### Section 4 - First Aid Measures

#### First Aid

##### INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

##### SKIN CONTACT

Flush skin with water after contact. Wash contaminated clothing before reuse.

##### EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

##### INGESTION

If swallowed, immediately give 2 glasses of water and induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

### Section 5 - Fire Fighting Measures

Flash point: Does not flash



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Fire and explosion hazards: The product powder is combustible and will sustain flame when in contact with fire. Dispersion of fine dust in the air can form an explosion mixture. May decompose at high temperatures and give off poisonous oxides.

Extinguishing media: Water, foam, dry powder or carbon dioxide.

Fire fighting instructions: wear self-contained breathing apparatus.

### Section 6 - Accidental Release Measures

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Clean Up

Shovel or sweep up.

Accidental Release Measures

Place in containers for proper disposal.

### Section 7 - Handling and Storage

Handling (Personnel)

Avoid breathing dust. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Wash thoroughly after handling.

Handling (Physical Aspects)

Avoid dust generation. Keep away from heat, sparks and flames.

Storage

Keep container tightly closed.

### Section 8 - Exposure Controls & Personal Protection

Exposure limits not established

Eye/Face : Safety Glasses.

Respirator : Use a respirator approved for pesticides if excessive dust

Additional : Wear gloves and negative pressure respirator when sampling

Protective Gloves : Dust resistant gloves such as vinyl or rubber.



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### Section 9 - Physical & Chemical Properties

#### Physical Data

Form : powder  
Color : pale

### Section 10 - Stability & Reactivity Data

#### Chemical Stability

Stable.

#### Incompatibility with Other Materials

None reasonably foreseeable.

#### Decomposition

Decomposes with heat.

Decomposition temperature is 212.5 °C.

#### Polymerization

Polymerization will not occur.

### Section 11 - Toxicological Information

Oral LD<sub>50</sub> (rat): >5000 mg/kg (slightly toxic)

Dermal LD<sub>50</sub> (rat): >2000 mg/kg (slightly toxic)

Inhalation LC<sub>50</sub> (rat-4hrs): >10.0 mg/L (practically non-toxic)

Eye irritation (rabbit): Slightly irritating

Skin irritation (rabbit): Non-irritating

Skin sensitization (guinea pig): Non-sensitizing

### Section 12 - Ecological Information

LD<sub>50</sub> Japanese quail > 3160mg/kg

LC<sub>50</sub> rainbow trout >19mg/l

LC<sub>50</sub> daphnia (48h) > 10 mg/l

LC<sub>50</sub> (14d) earthworms > 1400mg/kg

### Section 13 - Disposal Considerations

#### Waste Disposal



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Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Remove nonusable solid material and/or contaminated soil, for disposal in an approved and permitted landfill.

#### **Section 14 - Transport Information**

##### Shipping Information

It is not a hazardous material for the purpose of transportation

##### Shipping Containers

25kg cardboard drums

UN-Number: 3077 Class: 9 Packing group: III

Proper shipping name: Environmentally hazardous substance, solid.

#### **Section 15 - Regulatory Information**

N/A

#### **Section 16 - Other Information**

Follow standard plant procedures and safety rules for first aid and personnel protective equipment when handling this material.

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End of MSDS