

# AOWEI AGRICULTURAL TECHNOLOGY CO., LTD.

ADD: CBD BUSINESS DISTRICT NO. 27, ZHENGDONG NEW DISTRICT, ZHENGZHOU, CHINA

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## Material Safety Data Sheet (Paclobutrazol )

### Section 1 - Chemical Product and Company Identification

**Product Name:** Paclobutrazol 95% TC

**Chemical Name:**

(2RS,3RS)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol

**Chemical Family:** triazole

**Company Identification:**

COMPANY NAME: AOWEI AGRICULTURAL TECHNOLOGY CO., LTD.

ADD: NO. 27 , CBD BUSINESS INNER RING ROAD , ZHENGDONG NEW DISTRICT,  
ZHENGZHOU ,CHINA

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Email: [admin@aoweichem.com](mailto:admin@aoweichem.com)

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
76738-62-0	Paclobutrazol	95%
	Other Ingredient	5%

### Section 3 - Hazards Identification

Physical hazards: None

Health hazards: Harmful (fetotoxic)

### Section 4 - First Aid Measures

Eyes: Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately.

Skin: Flush skin with running water for a minimum of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention

immediately.

Swallowed: Provided the patient is conscious, wash out mouth with water. If gastrointestinal symptoms develop, consult medical personnel. Never give anything by mouth to an unconscious person.

Inhaled: Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

## Section 5 - Fire Fighting Measures

Flashpoint (test method): Not applicable

Flammable Limits (% in air): Not applicable

Autoignition Temperature: Not available

Extinguishing media: Water fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents.

Protective equipment: Self-contained breathing apparatus with full facepiece and protective clothing

Unusual fire and explosion hazards: None known.

## Section 6 - Accidental Release Measures

Personal precautions: Steps to be taken in case material is released or spilled:

Contain spill and keep out of sewers and drains. Soak up liquid with absorbent and shovel into waste container.

Methods for cleaning up: Seal drum and dispose of contaminated material in a facility permitted for hazardous waste. Large spills should be handled according to a spill plan.

## Section 7 - Handling and Storage

Safe handling advice: Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Requirements for storage room: Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Protect from frost.

Additional information: Read the label before use.

## Section 8 - Exposure Controls, Personal Protection

TLV or suggested control value: No TLV assigned. Minimize exposure in accordance with good hygiene practice. Syngenta operates its facilities such that employee exposure to the active ingredient is limited to below 10 mg/m<sup>3</sup> 8-hour TWA.

Ventilation: If needed, use local exhaust to minimize exposures.

Eye protection: Chemical tight goggles; full face-shield in addition if splashing is possible.

Body protection: Protective clothing as needed, impervious gloves, apron and arm covers.

Respiratory protection: If needed, use respirator for pesticides.  
Other protective equipment: Eyewash station and safety shower in work area  
Special precautions or other comments: Prevent skin and eye contact with this material. Avoid inhalation of spray mist. Showers at the end of the work day are desirable. Workers must follow good personal hygiene practices. Wash with soap and water immediately after use or contact. Do not eat, drink, or smoke in areas where the material is being used.

## Section 9 - Physical and Chemical Properties

PH: Not available.  
Vapor Pressure: 0.001 mPa @ 20°C , 0.008 mPa @ 30°C.  
Viscosity: Not available.  
Boiling Point: Not available.  
Freezing/Melting Point: 164-168°C  
Decomposition Temperature: Not available.  
Solubility: in water : 35 mg/l  
In organic solvent.: methanol 150 g/l , acetone 110 g/l , cyclohexanone 180 g/l ,  
methylene chloride 100 g/l , hexane 10 g/l , xylene 60 g/l .  
Specific Gravity/Density: 1.22

## Section 10 - Stability and Reactivity

Hazardous reactions (conditions to avoid)  
Stability: Stable under normal conditions.  
Incompatibility: Oxidizing agents.  
Hazardous polymerization: Will not occur.  
Hazardous decomposition products  
Combustion Products: carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, halogen,  
halogen acids, possible trace amounts of carbonyl halide...

## Section 11 - Toxicological Information

For active ingredient paclobutrazol  
Acute oral LD<sub>50</sub> for male rats 2000 mg/kg, female rats 1200 mg/Kg.  
Acute dermal LD<sub>50</sub> for rabbits and rats >1000 mg/kg.  
Irritating to rabbit skin and eyes.  
Acute inhalation LC<sub>50</sub> (4hr) for male rats 4.79 mg/L, female rats 3.13 mg/L.

## Section 12 - Ecological Information

For active ingredient paclobutrazol  
Acute oral LD<sub>50</sub> for mallard >7900 mg/Kg.  
LC<sub>50</sub> for fish: rainbow trout 27.8 mg/L, 96hr; carp 23.5 mg/L, 48hr;  
water flea 33.2 mg/L, 48hr.  
NOEL dose for bees >0.002 mg

## Section 13 - Disposal Considerations

Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposed of as detailed in the Guidelines for the avoidance, limitation and disposal of pesticide waste .

Empty containers should be washed and discarded. Empty containers should not be used for other purposes. Disposal should be in accordance with local, provincial or national legislation.

Container disposal:Puncture or otherwise destroy empty container before disposal.

## Section 14 - Transport Information

Hazards identification: None

Suggestion according to IATA DGR: The substance is not subject to IATA DGR

Packaging requirements: The goods are packaged according to the packaging requirement of ordinary goods.

## Section 15 - Regulatory Information

Active Ingredient Name : Paclobutrazol

The following precautions appear in the Precautions section of label / leaflet.Wash hands and exposed skin after use.Wash splashes from skin or eyes immediately with plenty of water. The following precautions appear in the "Statutory conditions relating to use" box of the label / leaflet. For use only as insecticide ,and professional use only.Wear suitable protective clothing / overall and synthetic rubber / PVC gloves and eye protections when using.

## Section 16 - Additional Information

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.