



**Hangzhou Tianlong Biotechnology Co., Ltd.**

Add: Room 1906, Fengqi Times Tower, No.338, Fengqi East Road, Hangzhou, Zhejiang, China.

## MATERIAL SAFETY DATA SHEET

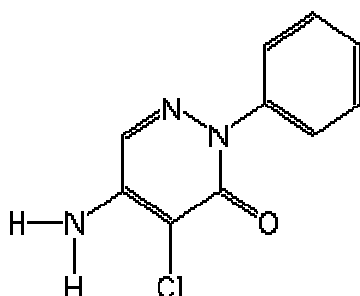
### 1. Chemical Product and company Identification

Product Name: Chloridazon

Molecular Formula: C<sub>10</sub>H<sub>8</sub>ClN<sub>3</sub>O

Molecular Weight: 221.6

Structural Formula:



Chemical Name: 5-amino-4-chloro-2-phenyl-3(2H)-pyridazinone

CAS No.: 1698-60-8

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

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### 2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Chloridazon	1698-60-	95.0
Other ingredients		5.0

### 3. Hazards Identification

EMERGENCY OVERVIEW:

- May be harmful if swallowed or inhaled.
- Causes slight eye irritation.
- Avoid breathing dusts or spray mist.
- Avoid contact with eyes, skin or clothing.
- Keep out of reach of children.

Potential health hazards:

Eye – Slightly irritating to the eyes. Degree of injury will depend on the amount of material that gets into eyes and the speed and thoroughness of the first aid treatment.

Skin – Harmful if absorbed through the skin. Prolonged or frequently repeated skin contact may cause irritation.

Inhalation – May be harmful if inhaled.

Ingestion – May be harmful if swallowed.

Potential physical hazards: Can decompose at high temperatures forming toxic gases.

Environmental hazards: Toxic to fish and other water organisms. Keep out of waterways.

Physical-chemical dangers: The substance decomposes on heating, on burning or on contact with acids or acid fumes, producing toxic and corrosive fumes including chlorine.

#### **4. First Aid Measures**

If swallowed – Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor.

If in eyes - Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first five minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

If on skin- Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled – Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

Note – Have the product container or label with you when calling a poison control center or doctor or going for treatment.

#### **5. Fire-Fighting Measures**

Fire and explosion hazard: May form explosive dust/air mixtures. Adequate ventilation and housekeeping must be maintained to minimize dust accumulation. The following can be given off in a fire: carbon monoxide, nitrogen oxides, hydrogen chloride

Extinguishing media:

Use water fog, CO<sub>2</sub>, or dry chemical extinguishing media.

Fire fighting equipment: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

#### **6. Accidental Release Measures**

Small spills: Vacuum or sweep up material and place in a container for reuse or disposal.

Large spills: Vacuum or sweep up material and place in appropriate container for reuse or disposal. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with inert absorbent and place in a chemical waste container for disposal. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

## 7. Handling And Storage

Handling: Use only in a well-ventilated area. Minimize dust generation and accumulation. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Storage: Keep pesticide in original container. Keep container tightly closed when not in use. Protect from excessive heat. Store in a cool dry place.

## 8. Exposure Controls/Personal Protection

Personal Protective Equipment:

To avoid eye and skin contact, wearing the following personal protective clothing and equipment is recommended:

Eyes: Safety goggles or face shield

Clothing: Cotton overalls buttoned to the neck and wrist and a washable hat.

Gloves: Elbow length PVC gloves.

Respiratory: Respiratory protection is not normally required. If airborne concentrations are likely to exceed the exposure standard above, an AS/NZS 1715/1716 approved respirator should be worn.

Other: After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, goggles or face shield and contaminated clothing.

## 9. Physical and Chemical Properties

Appearance: Colourless or light brown, odourless solid

Melting Point: 198-206°C.

Vapour Pressure: <0.01mPa(20°C)

Solubility: In distilled water 0.34 g/l (20°C). In methanol 15.1, ethyl acetate 3.7, dichloromethane 1.9, toluene 0.1 (all in g/l, 20 °C ). Practically insoluble in heptane. Stability: Stable up to 50°C for ≥2 years. Stable in aqueous media at pH 3-9.

## 10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to avoid: Rapidly photolyzed in sunlight.

Hazardous decomposition products: Oxides of carbon, nitrogen, HCl

Hazardous polymerization: Does not occur.

Hazardous reaction: none

## 11. Toxicological Information

Oral LD50 (rat)	-	1160 mg/kg
Dermal LD50 (rat)	-	> 2000 mg/kg
Inhalation LC50 (rat)	-	3.28 mg/L
Eye Irritation (rabbit)	-	slight irritation

Skin Irritation (rabbit)-        slight irritation  
Sensitizer (guinea pig)-        Not a sensitizer

## 12. Ecological Information

### ENVIRONMENTAL TOXICITY:

Algae, [0-72 hours] - 0.91 mg/L  
96 hour LC50, Trout - <100 mg/L  
48 hour EC50, Daphnia - 258.5 mg/L  
Non-toxic to bees

## 13. Disposal Considerations

WASTE DISPOSAL METHOD: If possible, use according to label directions; otherwise, incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority. Do not contaminate waterways when disposing of equipment washwaters.

CONTAINER DISPOSAL: Offer for recycling or reconditioning; or render unusable and dispose of in an approved landfill.

## 14. Transport Information

Class: 9  
UN No.: 3077  
Packing group: III

## 15. Regulatory Information

Safe phrase: Keep locked up and out of reach children.

Keep away from food, drink and animal feeding stuffs.

Do not breathe vapour/spray.

Avoid contact with skin and eyes.

Wear suitable protective clothing, gloves and eye/face protection.

Avoid release to the environment.

## 16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS 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 on receipt of this MSDS 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 the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.