



Hangzhou Tianlong Biotechnology Co., Ltd.

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

MATERIAL SAFETY DATA SHEET

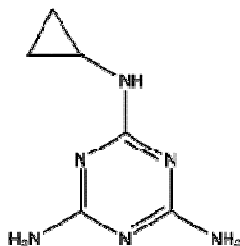
1. Chemical Product and company Identification

Product name: Cyromazine

Molecular Formula: C₆H₁₀N₆

Molecular Weight: 166.2

Structural Formula:



Chemical Name: N-cyclopropyl-1, 3, 5-triazine-2, 4, 6-triamine

CAS No.: 66215-27-8

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

Address: Room 1906, Fengqi Times Tower, No.338 Fengqi East Road, Hangzhou, China, 310020

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2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Cyromazine	66215-27-8	95.0
Other ingredients		5.0

3. Hazards Identification

Route of entry: Skin and eye contact, ingestion and inhalation.

Eye: Direct contact with the product may cause moderate eye irritation.

Skin: Direct contact with the product may cause moderate skin irritation. Not a skin sensitizer.

Ingestion: Harmful. Large ingestions can cause nausea, vomiting, abdominal distress and diarrhea.

Inhalation: Harmful. Inhalation of dust may be irritating to the nose. Throat and upper respiratory tract.

4. First Aid Measure:

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

Skin Contact: Wash with plenty of soap and water, including hair and under fingernails. Do not apply and medication agent except on the advice of a physician. Remove contaminated Clothing and decontaminate prior to use.

Eye Contact: Immediately rinse eyes with a large amount of running water. Hold eye lids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician. Inhalation: Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

Ingestion: If victim is fully conscious, give a large quantity of water to drink and induce vomiting. Never give anything by mouth to an unconscious person.

Medical Condition Likely to be aggravated by Exposure:

Individuals with pre-existing respiratory disorders should use extra care in handling this product.

5. Fire-fighting Measures

Fire and Explosion

Flash point (test method): not applicable

Flammable limits (% in air): lower/upper: not applicable

Antiunion temperature: not available

Flammability: not flammable

Unusual fire, Explosion and Reactivity Hazards: This material presents a slight dust explosion hazard.

In case of fire: Use dry chemical, foam, or CO₂ extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personal from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated.

6. Accidental release measures

In Case of Spill or Leak:

Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and use a particular filter. Select N or P type as appropriate for the oil characteristics of any other air contaminants present. Filter efficiency may range from 95-99.97% as appropriate for the size distribution of dusts present. For small spills, sweep up, keeping dust to a minimum, and place

in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash to contaminate water supplies.

7. Handling and Storage

Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

8. Exposure Control/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:

Form: Crystalline solid

Color: White

Odor: Odorless

PH value: 6.0~9.0

Melting point: 219~220°C

Relative density: 1.35g/cm³

Vapour pressure (measured at 25°C if melting point ≤ 30°C): 4.20 × 10⁻⁷ Pa

Solubility (measured at 20°C or 25°C in water and other solvents):

In water 13g/L (PH=7) In methanol 22, isopropanol 2.5, acetone 1.7, n-octanol 1.2, ethylene chloride 0.25, toluene 0.015, hexane 0.0002 (all in g/kg)

10. Stability and Reactivity:

Stability: Stable

Hazardous Polymerization: will not occur

Hazardous Decomposition Products: None known

11. Toxicological Information:

Acute Toxicity/Irritation Studies:

Ingestion: slightly toxic, oral LD50 (rat): 4,460mg/kg body weight

Dermal: slightly toxic, dermal LD50 (rabbit): >2,010mg/kg body weight

Inhalation: slightly toxic, inhalation LC50(rat): >2.5mg/L air-4 hours

Eye contact: mildly irritating (rabbit)

Skin contact: moderately irritating (rabbit)

Skin sensitization: not a sensitizer (Guinea Pig)

Mutagenic potential/ reproductive hazard potential /chronic/subchronic

toxicity studies/carcinogenic potential: none observed and other toxicity information: not available

Toxicity of other components

Silica white: it is listed as an IARC carcinogen not classifiable as human carcinogen with limited evidence. Prolonged exposure to Silica White may cause damage to respiratory system and irritation to skin and eyes.

Surfactant: Exposure can result in eye, skin and respiratory tract irritation.

12. Ecological Information

Summary of effects: lightly toxic to birds and fish, and moderately toxic to aquatic invertebrates.

ECO-acute Toxicity:

Rainbow trout 96-hour LC50: 51mg/L

Bluegill sunfish 96-hour LC50: 90mg/L

Daphnia magna 48-hour LC50: 9.1mg/L

Bobwhite Oral LD50: 1,785mg/kg

Mallard Oral LD50>2,510mg/kg

Bobwhite 8-day dietary LC50>5,620ppm

Mallard 8-day dietary LC50>5,620ppm

Eco-Chronic Toxicity: fish early Life stage MATC: 22mg/L

Invertebrate life cycle MATC: 0.45mg/L

13. Disposal Consideration

Disposal: Do not reuse product containers. Dispose of product containers, waste containers and residues according to local health and environmental regulations.

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

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.