

Cyromazine -MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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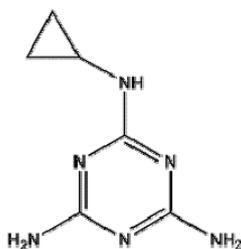
1. Identification of substance/preparation

Product name: Cyromazine

Molecular Formula: C₆H₁₀N₆

Molecular Weight: 166.2

Structural Formula:



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

Form: Crystalline solid

Color: White

Odor: Odorless

CAS No.: 66215-27-8

2. Composition / Information on Ingredients

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

3. Hazards Identification

Notes to physician:

There is no specific antidote if this product is ingested.

If a large amount has been ingested and emesis is inadequate, lavage stomach.

Treat symptomatically.

An aqueous suspension of activated charcoal can be administered to absorb remaining toxicant.

Symptoms of Acute Exposure:

Exposure may cause irritation of eyes, skin or upper respiratory tract.

Hazardous Decomposition Products:

None known

Physician Properties:

Appearance: gray white powder

Odor: sweet, musty odor

Unusual Fire, Explosion and Reactivity Hazards:

This material presents a slight dust explosion hazard

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:

Ingestion: Prevent eating, drinking, smoking and cosmetic application in areas where is a potential for exposure to the material. Always wash thoroughly after handling.

Inhalation: to avoid breathing dust, use a particular filter.

Eye protection: To avoid eye contact, wear safety glasses with side shields or chemical goggles.

Skin protection: To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants and a head covering.

9. Physical and Chemical Properties:

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): 4.20×10⁻⁷Pa

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 Informations:

Acute Toxicity/Irritation Studies:

Ingestion: slightly toxic, oralLD50 (rat): 4,460mg/kg body weight

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

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

Eye contact: mildly irritating (rabbit)

Skin contact: moderately irritating (rabbit)

Skin sensitization: not a sensitize (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 and Ecotoxicological 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

Not applicable.

15. Regulatory Information

Not applicable.

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.