

## 1 Identification

### · Product identifier

#### · Trade name: Trigard® Insecticide

· Article number: ID-Eng\_US\_ENG

#### · CAS Number:

EPA Registration No.: 10163-411

Active Ingredient: Cyromazine (75.0 %), CAS: 66215-27-8

· Application of the substance / the mixture Agricultural Insecticide

### · Details of the supplier of the safety data sheet

#### · Manufacturer/Supplier:

Gowan Company, LLC.

P.O. Box 5569

Yuma, Arizona 85366-5569

(928) 783-8844

· Information department: sds@gowanco.com

#### · Emergency telephone number:

Chemtrec Emergency Telephone 24 - Hours: Inside U.S. & Canada: (800) 424-9300

Outside the U.S. & Canada: +011 (703) 527-3887

## 2 Hazard(s) identification

### · Classification of the substance or mixture



GHS07

Acute Toxicity - Inhalation 4

H332 Harmful if inhaled.

Skin Irritation 2

H315 Causes skin irritation.

Eye Irritation 2A

H319 Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure 3 H335 May cause respiratory irritation.

Combustible Dust

May form combustible dust concentrations in air.

### · Label elements

#### · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

#### · Hazard pictograms



GHS07

#### · Signal word Warning

#### · Hazard statements

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

May form combustible dust concentrations in air.

#### · Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

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P280 Wear protective gloves / eye protection / face protection.  
 P302+P352 If on skin: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a poison center/doctor if you feel unwell.  
 P321 Specific treatment (see on this label).  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

EUH401 To avoid risks to people and the environment, comply with the instructions for use.

· **Other hazards**

· **Results of PBT and vPvB assessment**


- **PBT:** Not applicable in US.
- **vPvB:** Not applicable in US.

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 66215-27-8	Cyromazine	 Aquatic Chronic 1, H410; Aquatic Acute 3, H402	75.0%
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## 4 First-aid measures

· **Description of first aid measures**

· **General information:**

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

You may also contact 1-888-478-0798 for emergency medical treatment information.

· **After inhalation:**

- 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 further treatment advice.

· **After skin contact:**

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

· **After eye contact:**

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

· **After swallowing:**

- Call a poison control center or doctor immediately for treatment advice.
- Have 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.
- Do not give anything by mouth to an unconscious person.

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- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed** Irritation to skin and eyes.
  - **Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

## 5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
  - **For safety reasons unsuitable extinguishing agents:** Not determined.
- **Special hazards arising from the substance or mixture**  
Dust can form an explosive mixture with the air.
- Hazardous Combustion Products  
Smoke, fumes or vapors, and oxides of carbon
- Explosion Data  
Sensitivity to Static Discharge-AVOID GENERATING DUST. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- **Advice for firefighters**
  - **Protective equipment:**  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Refer to protective measures listed in sections 7 and 8.
- **Environmental precautions:** See section 12 for additional Ecological information.
- **Methods and material for containment and cleaning up:**  
Method for Containment:  
Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up:  
Carefully sweep, scoop or vacuum and place in suitable container. Avoid generating dust or accumulating dust. Avoid dust dispersal in the air (i.e. cleaning dust surfaces with compressed air). If possible, complete cleanup on a dry basis. Spilled material can be a slipping hazard. Eliminate flames, sparks, excessive temperatures and oxidizing agents. Non-sparking tools should be used.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· <b>PAC-1:</b>
None of the ingredients are listed.
· <b>PAC-2:</b>
None of the ingredients are listed.

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· **PAC-3:**

None of the ingredients are listed.

## 7 Handling and storage

· **Handling:**· **Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wash face, hands and any exposed skin thoroughly after handling.

Wear appropriate personal protective equipment.

Avoid generation of dust.

Minimize dust generation and accumulation.

Ensure that dust does not accumulate on surfaces.

· **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.· **Conditions for safe storage, including any incompatibilities**· **Storage:**· **Requirements to be met by storerooms and receptacles:**

Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals, in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Do not store this product under wet conditions. Handle outer container carefully to avoid breakage of water-soluble packets.

· **Information about storage in one common storage facility:** Keep away from food, drink and feed.· **Further information about storage conditions:** Store in a cool, dry, well-ventilated area.· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see section 7.· **Control parameters**· **Components with limit values that require monitoring at the workplace:**

CAS: 66215-27-8 Cyromazine

TLV	Long-term value: 2 mg/m <sup>3</sup>
A4	

· **Regulatory information TLV:** Guide to Occupational Exposure Values (TLV)· **Additional information:**

Engineering Controls:

Explosion-proof general and local exhaust ventilation. Use explosion proof electrical equipment for very high dust levels. Ensure ventilation and dust-handling systems prevent the escape of dust into work areas and there is no leakage from equipment.

· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

Wash hands before breaks and immediately after handling the product.

· **Breathing equipment:**

Not normally required. Provide ventilation to control dust levels to below exposure limits. Refer to 29 CFR 1910.134 for respiratory protection requirements.

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· **Protection of hands:**

Protective gloves

· **Material of gloves**

chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or Viton)

· **Eye protection:**

Safety glasses

Use splash goggles or face shield when contact may occur. Refer to 29 CFR 1910.133 for eye and face protection regulations.

· **Body protection:**

- chemical-resistant gloves
- coveralls
- socks and chemical-resistant footwear

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

- **Form:** Powder
- **Color:** Gray-tan
- **Odor:** Sweet, musty
- **Odor threshold:** Not determined.

· **pH-value at 20 °C (68 °F):** 8-10· **Change in condition**

- **Melting point/Melting range:** 224 °C (435.2 °F)
- **Boiling point/Boiling range:** Undetermined.

· **Flash point:** Not applicable.· **Flammability:** Not determined.· **Decomposition temperature:** Not determined.· **Ignition temperature:** Not determined.· **Danger of explosion:** Dust can form an explosive mixture with air.· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Vapor pressure:** Not applicable.· **Density:** Not determined.

- **Relative density** Not determined.
- **Vapor density** Not applicable.
- **Evaporation rate** Not applicable.

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· **Solubility in / Miscibility with**· **Water:** Not determined.· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:**· **Dynamic:** Not applicable.· **Kinematic:** Not applicable.· **Other information** No further relevant information available.

## 10 Stability and reactivity

· **Reactivity** Not reactive under normal conditions.· **Chemical stability** Stable under recommended storage conditions.· **Thermal decomposition / conditions to be avoided:** Not determined· **Possibility of hazardous reactions** Hazardous polymerization does not occur.· **Conditions to avoid** See Sec. 7 Handling & Storage.· **Incompatible materials:** Oxidizing agents.· **Hazardous decomposition products:** Smoke, fumes or vapors, and oxides of carbon.

## 11 Toxicological information

· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:**

Oral	LD50	4460 mg/kg (rat)
Dermal	LD50	>2010 mg/kg (rabbit)
Inhalative	LC50	>2.5 mg/L (4-hr) (rat)

· **Primary irritant effect:**· **on the skin:** Irritating.· **on the eye:** Severely irritating.· **Sensitization:** Not a skin sensitizer.· **Other information (about experimental toxicology):**

Harmful if inhaled.

Do not ingest.

· **Additional toxicological information:**· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

· **NTP (National Toxicology Program)**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

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· **Carcinogenicity**

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**· **Remark:**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area. GROUND WATER ADVISORY: A metabolite of Trigard Insecticide has been found in ground water, possibly as a result of agricultural use. Use of this product in areas where soils are permeable and watertables are shallow could result in leaching to ground water. Irrigation could increase the risk of contamination.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**PESTICIDE DISPOSAL:**

Pesticide wastes are toxic. Improper disposal is a violation of Federal law. To avoid harming aquatic organisms in

rivers and other surface waters, do not pour spray mixture or rinse water into sanitary drains (for example; toilets, floor drains, and sinks)

or into storm water sewers (for example; street drains). If pesticide, spray mixture, or rinsate cannot be disposed of by use according to the

label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative of the nearest EPA

Regional Office for guidance.

· **Uncleaned packagings:**· **Recommendation:****CONTAINER HANDLING:**

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Once all watersoluble packets are used according to label instructions, dispose of empty outer bag in a sanitary landfill or by other procedures allowed by State and local authorities.

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## 14 Transport information

· <b>UN-Number</b>	
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>DOT, ADR, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable
· <b>Stowage Category</b>	A
· <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable
· <b>UN "Model Regulation":</b>	Void

## 15 Regulatory information

· <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
· <b>Marketing authorization number:</b>
· <b>SARA Title III</b>
· <b>Section 355 (extremely hazardous substances):</b>
None of the ingredients are listed.
· <b>Section 313 (Specific toxic chemical listings):</b>
None of the ingredients are listed.
· <b>TSCA (Toxic Substances Control Act):</b>
None of the ingredients are listed.
· <b>Hazardous Air Pollutants</b>
None of the ingredients are listed.
· <b>Proposition 65</b>
· <b>Chemicals known to cause cancer:</b>
None of the ingredients are listed.
· <b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients are listed.
· <b>Chemicals known to cause reproductive toxicity for males:</b>
None of the ingredients are listed.
· <b>Chemicals known to cause developmental toxicity:</b>
None of the ingredients are listed.
· <b>Carcinogenicity categories</b>
· <b>EPA (Environmental Protection Agency)</b>
None of the ingredients are listed.

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· **TLV (Threshold Limit Value)**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

Not Applicable

· **Signal word**

(USA EPA) CAUTION

· **Hazard statements**

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

May form combustible dust concentrations in air.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 If on skin: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a poison center/doctor if you feel unwell.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **NFPA ratings (Scale 0-4)**

Health= 2

Fire= 2

Reactivity= 0

· **Department issuing SDS:** Supply Chain

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- **Contact:** [sds@gowanco.com](mailto:sds@gowanco.com)
- **Date of preparation / last revision** 04/01/2025 / 11.0
- **Abbreviations and acronyms:**
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ELINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Acute Toxicity - Inhalation 4: Acute toxicity – Category 4
  - Skin Irritation 2: Skin corrosion/irritation – Category 2
  - Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
  - Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
  - Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
  - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- **Sources** Trigard® Insecticide is a registered trademark of Gowan Company, LLC.

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