

**SAFETY DATA SHEET****TOPGARD 75 WP**

SDS/GHS/ISR/Ver 1.0

Issue date: 07.03.2022

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product identifiers**

Product name: TOPGARD 75 WP  
Chemical name: Cyromazine  
CAS number: 66215-27-8

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: Crop protection product

**Details of the supplier of the safety data sheet**

Supplier: Almandine Corporation SA  
Gotthardstrasse 3  
6300 Zug  
Tel: +44 20 8995 8391  
Fax: +44 20 8995 7639  
Email: [almuk@almandine.com](mailto:almuk@almandine.com)

Formulator: Shandong Sanyuan Ind Ltd.  
Tongshan Town, Jiangning,  
Nanjing, P.R China

**Emergency telephone number**

Tel: +44 20 8995 8391 (SDS support, 9.00-5.00 pm; Mon-Fri only, UK)

**2. HAZARDS IDENTIFICATION**

Not classified as hazardous.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Name	CAS N°	w/w (g/kg)	Signal word	H Statement(s)
Cyromazine	66215-27-8	750	-	-
Fatty acid methyl tauride, sodium salt	137-20-2	<100	Danger	H318

**4. FIRST AID MEASURES**

**Inhalation:** Remove patient from exposure, keep warm and at rest. Obtain medical attention if required.

**Skin contact:** Remove immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water to minimise contact with skin. Wash contaminated clothing before wearing again.

**Eye contact:** Immediately irrigate with eyewash solution or clean water, holding the eyelids apart for at least 15 minutes. Obtain immediate medical attention.



**Ingestion:** If swallowed seek medical advice immediately and show the container, label or this Data sheet, if possible. Provided the patient is conscious, wash out mouth with water. Do not induce vomiting.

**Medical Advice:** There is no specific antidote, treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray or alcohol resistant foam. Keep unexposed containers cool with water spray. Water jet is not recommended.

**Protective equipment:** A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

**Under fire conditions:** May produce dense black smoke containing toxic and irritant vapours.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure suitable personal protection during removal of spillages (see section 8). Stop spills if safe to do so.

**Clean up methods:** Absorb spill with a non-combustible absorbent material, such as sand, earth or diatomaceous earth. Shovel into well labelled, sealed, suitable containers.

For large spills it may be necessary to dyke spill area to prevent contamination of drains and waterways.

**Environmental precautions:** Do not flush into water sources, drains or sewage systems. If product enters sewage or contaminates water sources, inform the relevant authorities.

#### 7. HANDLING AND STORAGE

**Handling:** Use PPE as outlined in section 8. Do not eat drink or smoke while using this product.

**Storage:** Keep original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeds. Avoid storing at freezing temperatures.

**Storage Life:** Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

#### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Occupational Exposure limits:**

**Hazardous ingredient:**

Component	CAS No.	Value	Parameters	Basis
Cyromazine	66215-27-8	TWA	3 mg/m <sup>3</sup>	Manufacturer



**Exposure controls:** Use only in well-ventilated areas. If necessary, use local exhaust ventilation to keep airborne concentration below exposure limits.

**Exposure controls:** **Eye/face protection:** Wear face shield of goggles.

**Skin/hand protection:** Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, heavy-duty shoes or boots. Chemical resistant gloves should be used. Suitable materials include nitrile rubber.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls

After each day's use, wash gloves, goggles or face shield, respirator if worn and contaminated clothing.

## 9. PHYSICAL / CHEMICAL PROPERTIES

- |    |   |   |
|----|---|---|
| a) | Appearance:                                   | Off-white solid   |
| b) | Odour:  | Not specific  |
| c) | Odour threshold:                              | None set  |
| d) | pH:   | 7 – 9 (1% dilution)   |
| e) | Melting point/freezing point:                 | 224.9 °C (tech.)  |
| f) | Boiling point/boiling range:                  | Decomposes before boiling (tech.)   |
| g) | Flash point:                                  | Does not flash  |
| h) | Evaporation rate:                             | Not measured  |
| i) | Flammability (solid/gas):                     | Not flammable   |
| j) | Upper/lower flammability or explosive limits: | Not determined  |
| k) | Vapour pressure:                              | $4.48 \times 10^{-4}$ mPa (25°C) (tech.)                                    |
| l) | Vapour density:                               | $5.8 \times 10^{-9}$ Pa x m <sup>3</sup> x mol <sup>-1</sup> (25°C) (tech.) |
| m) | Relative density:                             | 0.419 g / cm <sup>3</sup> (bulk density)                                    |
| n) | Solubility:                                   | 13 g/L (tech.)  |
| o) | Partition coefficient:                        | Log Pow -0.061 (pH 7, 20°C) (tech.)   |
| p) | Auto-ignition temperature:                    | Not determined  |
| q) | Decomposition temperature:                    | No decomposition up to 150°C  |

## 10. STABILITY AND REACTIVITY

### Hazardous decomposition Products:

Combustion or thermal decomposition will evolve toxic and irritant vapours. Spontaneous polymerisation does not occur. Stable under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

**Oral toxicity:** LD<sub>50</sub> rat: >2000-5000 mg/kg (GHS Category 5)

**Dermal toxicity:** LD<sub>50</sub> rat: >2000-5000 mg/kg (GHS Category 5)

**Inhalation toxicity:** >2.03 mg/L



**Skin irritation:** Not irritant

**Eye irritation:** Not irritant

**Skin sensitisation:** Not a skin sensitiser

Not carcinogenic, genotoxic or mutagenic.

**Long term exposure:** No long-term risks to man are associated with the normal handling and use of this material.

### 12. ECOLOGICAL INFORMATION

(based on tech. material)

**Bird toxicity:** LD<sub>50</sub> Bobwhite quail 1785 mg/kg

**Fish toxicity:** LC<sub>50</sub> 96 h Rainbow trout >100 mg/L

**Daphnia toxicity:** EC<sub>50</sub> 48 h *Daphnia magna* >100 mg/L

**Algal toxicity:** EC<sub>50</sub> *Scenedesmus subspicatus* 72 h >100 mg/L

#### Chronic (long-term) toxicity:

**Fish:** NOEC 32 d Rainbow trout <1 mg/L

**Daphnia:** NOEC 21 d *Daphnia magna* 0.31 mg/L

**Algae/aquatic plants:** NOEC EC<sub>50</sub> >100 mg/L

**Persistence and degradability:** Very persistent in water. Non-persistent in soil.

#### Bioaccumulative potential:

Partition coefficient n-octanol/water (log Kow): -0.061 (pH 7, 20°C)  
(Low potential for bioaccumulation).

**Mobility in soil:** Moderate mobility

### 13. DISPOSAL CONSIDERATIONS

Do not contaminate ponds, waterways or ditches with chemical or used containers. Empty containers should be washed and discarded. Empty containers should not be used for other purposes. Disposal should be in accordance with local, state or national legislation.

### 14. TRANSPORTATION INFORMATION

Not classified for transport.

### 15. REGULATORY INFORMATION

No additional regulatory information.



## 16. OTHER INFORMATION

### Full H statements:

H318	Causes serious eye damage
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Time weighted average (TWA) is the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of the product or from the use of information contained within the safety data sheet since the customer's treatment of the product is necessarily beyond our control. The supplied data are based on current knowledge and experience. This safety data sheet is intended to describe our product in terms of safety requirements. The customer should determine by appropriate trials that the product is suitable for his intended use.

Sections 9, 11 and 12 based on available EU and own data.  
GHS Version