

Safety Data Sheet

release date 06-JUN-2001
replaces all previous editions

Trade Name Syngenta

TRIGARD 75 WP

1. Identification of the substance / preparation and of the company / undertaking

Identification of the substance or preparation

Trade Name Syngenta TRIGARD 75 WP
Design Code A6808A
AGI Code 81938

Company / undertaking identification

Company Syngenta Crop Protection AG
P.O. Box
CH-4002 Basel
Switzerland
Phone +41 61 323 11 11
Fax +41 61 323 12 12

Product Information Phone (office hours) +41 61 323 40 40

Emergency **Phone (24h) +41 61 323 33 33**

Emergency Information concerning
- transport see emergency phone number in the shipping documents
- storage see emergency phone number of local Syngenta organization

2. Composition / information on ingredients

Chemical characteristic

Formulation type	Wettable powder			
Use	Insecticide			
Active ingredient(s)	75	% w/w	cyromazine	CGA72662
Hazardous Component(s)				
CAS	Name	% w/w	Hazard Symbol	Special Risks
7631-86-9	silica, amorphous	5 - 10		
1332-58-7	kaolin	5 - 10		
151-21-3	sulfuric acid monododecyl ester sodium salt	2 - 10	Xi	36/38

Information to exposure limit values see section 8.

3. Hazards Identification

Health Hazards: Slight.

Environmental hazard in case of accident (Spillage/Leakage): Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Data Sheet

release date 06-JUN-2001
replaces all previous editions

Trade Name Syngenta

TRIGARD 75 WP

4. First-Aid Measures

First-Aid Measures

General: Remove the affected person from the danger zone to a well-ventilated room or to fresh air, and protect from undercooling. IN CASE OF SUSPECTED POISONING: Immediately call a physician.

Eye Contact: Rinse eyes with clean water for several minutes .

Ingestion: Repeatedly administer medicinal charcoal in a large quantity of water. NOTE: Never give anything by mouth to an unconscious person. Do not induce vomiting.

Skin Contact: Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water.

Inhalation: Immediately remove to fresh air.

Medical Instructions

Antidote: No specific antidote is known! Apply symptomatic therapy.

Experiences Specific to Man: No case of human poisoning is on record.

5. Fire-Fighting Measures

Combustibility: yes

Extinguishing media

Suitable Extinguishing Media: Dry chemical extinguisher, foam, carbon dioxide or waterspray (do not use direct jet of water).

Fire fighting

Special Hazards during Fire Fighting: Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.

Hazardous Combustion Products: carbon dioxide; carbon monoxide; nitrogen oxides;

Protective Equipment for Fire Fighting: Use self contained breathing apparatus. Wear protective equipment.

Swiss Fire Prevention Class: F4 S

6. Accidental Release Measures

Environmental Protection Measures following Accidents: Collect product in containers for safe disposal. Dampen solid material carefully to prevent it being blown away. Collect material in specially marked, tightly closing containers. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative. Do not contaminate waters and sewers.

Safety Data Sheet

release date 06-JUN-2001
replaces all previous editions

Trade Name Syngenta

TRIGARD 75 WP

7. Handling and Storage

Handling information

General: Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Do not eat, drink or smoke while working. In addition to the measures usually taken in chemical works like dustproof filling and measuring equipment (including dust extraction), further personal protection measures may have to be implemented to avoid possible contact with the product.

Storage information

Special Instructions for Storage: Store the product in closed original containers. Protect from light and humidity.

Storage Compatibility with other Products: Store separately from feed, food and stimulants.

Storage Temperature

Max. Storage Temperature: 35 °C

Min. Storage Temperature: -10 °C

8. Exposure controls / Personal protection

Germany (silica, amorphous)

MAK (DFG): 4 mg/m³

Notes: C; E

Switzerland (silica, amorphous)

MAK (SUVA): 4 mg/m³

Notes: C; G

Switzerland (kaolin)

MAK (SUVA): 6 mg/m³

Notes: F

USA (silica, amorphous)

TWA (ACGIH): 10 mg/m³

IDLH (NIOSH): 3000 ppm

USA (kaolin)

TWA (ACGIH): 2 mg/m³

Notes: A4

Personal protective equipment

In General: Change working clothes daily.

Breathing Protection: In case of heavy exposure, wear: Dust mask.

Eye Protection: Goggles

Hand Protection: Chemical-resistant gloves

Body Protection: Heavy duty cotton or synthetic fabric working clothes (e.g. overalls).

Precautionary measures after work: Wash thoroughly (shower, bathe, wash hair). Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

Safety Data Sheet

release date 06-JUN-2001
replaces all previous editions

Trade Name Syngenta

TRIGARD 75 WP

9. Physical and Chemical Properties

Form:	powder	
Color:	white to tan	
Physical State:	solid	
Flash-Point:	not applicable	
Flammability:	not highly flammable (0.25 %)	EEC A 10
Oxidizing Properties:	not oxidizing	EEC A 17
Explosive Properties		
Shock Sensitivity Test:	no detonation	
Explosive Properties		EEC A 14
Assessment:	not explosive	
Friction Sensitivity:	not friction sensitive	
Shock Sensitivity:	not shock sensitive	
Spontaneous Decomposition:	no	
Bulk Density:	0.30 - 0.40 g/cm ³	
pH Value:	6 - 10 (1 %; in deionised water)	CIPAC MT 75.2
Surface Tension:	52.4 mN/m (1.0 g/l; Dispersion in distilled water; 20 °C)	EEC A 5
Surface Tension:	64.4 mN/m (0.3 g/l; Dispersion in distilled water; 20 °C)	EEC A 5
Miscibility with water:	miscible	

10. Stability and Reactivity

Chemical Stability

Assessment: Stable under standard conditions.

Sensitivity

Thermal Sensitivity: thermally not sensitive

11. Toxicological Information

Acute Oral Toxicity		OECD 401
LD50:	> 2000 mg/kg (rat)	
Acute Dermal Toxicity		OECD 402
LD50:	> 2000 mg/kg (rat)	
Acute Inhalation Toxicity		
LC50:	> 2000 mg/m ³ (rat; 4 h)	
Acute Skin Irritation:	non irritant (rabbit; assessment according to 93/21/EEC)	OECD 404
Acute Eye Irritation:	non irritant (rabbit; assessment according to 93/21/EEC)	OECD 405
Skin Sensitization:	not sensitizing (guinea pig; assessment according to 83/467/EEC; Maximization test)	OECD 406

Safety Data Sheet

release date 06-JUN-2001
replaces all previous editions

Trade Name Syngenta

TRIGARD 75 WP

12. Ecological Information

Acute Toxicity to Fish		OECD 203
LC50:	> 100 mg/l (Oncorhynchus mykiss (Rainbow trout); 96 h)	
Growth Inhibition, Algae		OECD 201
ErC50:	110 mg/l (Selenastrum capricornutum (green algae); 72 h)	
Toxicity to Aquatic Invertebrates		OECD 202
EC50:	90 mg/l (Daphnia magna Straus; 48 h)	

13. Disposal Considerations

Disposal

Product Disposal: Pay attention to protective clothing and measures. Dampen solid material carefully to prevent it being blown away. Collect material in specially marked, tightly closing containers. Clean dirty areas with water and detergent. Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out down to clean soil. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative and dispose of in an incinerator approved for chemicals.

Container Disposal: Dispose of empty containers in an incinerator approved for chemicals. Damaged containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.

14. Transport Information

Special Information: Use unbreakable containers, make sure they cannot fall, and label in accordance with regulations.

Rail / Road (RID / ADR) Not classified as dangerous good

Sea (IMDG-Code) Not classified as dangerous good

Air (ICAO / IATA) Not classified as dangerous good

Swiss POST: 1 (Not restricted for Switzerland)

Safety Data Sheet

release date 06-JUN-2001
replaces all previous editions

Trade Name Syngenta

TRIGARD 75 WP

15. Regulatory Information

EU-Classification

Labelling Requirement

required

Type of Classification

Self-Classification

Special Risks

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Advice

61

Avoid release to the environment. Refer to special instructions/Safety data sheets.

Source of Hazard

The whole of the preparation

International

WHO Toxicity Classification

-

III: Product unlikely to present acute hazard in normal use

Weight limit (Switzerland)

as prescribed by accident regulations

200000 kg

16. Other Information

The information contained herein is based on the present state of our knowledge as is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.