

SAFETY DATA SHEET



BLADEx[®] 90WG

Date of Issue: July 2016

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Cyanazine
Recommended use: Selective Herbicide
Supplier: Etec Crop Solutions Ltd
PO Box 51584
Pakuranga 240
Auckland
Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: HSNO Classes: 6.1C, 6.3B, 6.4A, 6.8B, 6.9A, 9.1A, 9.3B
Required identification Details: Acutely toxic
Ecotoxic in aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Cyanazine	21725-46-2	90% w/w

4. FIRST-AID MEASURES

Description of necessary first aid measures:

General: Avoid contact with skin, eyes and clothing. Remove contaminated clothing. If difficulties occur, obtain medical attention. Show container, label and/or MSDS to physician.

Effects and symptoms

First-aid measures

Inhalation: If inhaled, move the victim to fresh air immediately. Keep patient calm. Obtain medical attention.

Ingestion: Rinse mouth immediately then drink plenty of water. Do not induce vomiting unless advised to by the Poisons Centre or a Doctor. Do not give anything by mouth to an unconscious person. For advice contact the National Poisons Centre 0800 Poison (0800 764 766)

Skin contact: Wash with plenty of soap and water. If irritation persists, seek medical attention.

Eye contact: Hold eyelids open and immediately flush eyes with flowing water for at least 15 minutes. Get prompt medical attention.

Notes to a physician:

Treat symptomatically. Symptoms: numbness and tingling of hands and feet, lung oedema, convulsions.
Treatment: Treat according to symptoms (decontamination, vital functions). No known specific antidote.

Workplace facilities:**Required Instructions:**

5. FIRE-FIGHTING MEASURES

In the event of a large fire, close off area at risk downwind.

HAZCHEM Code:

2Z

Extinguishing media :

Water spray, water fog, foam, carbon dioxide, dry extinguishing powder.

Hazardous thermal (de)composition products:

Carbon monoxide, hydrogen chloride, nitrogen oxides, organochloric compounds, cyanides These substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions:**

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Avoid dust formation.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up:

For small amounts: Contain with just binding material and dispose of. For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with

regulations. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. HANDLING AND STORAGE

Handling:

No special measures necessary if stored and handled correctly. Avoid the formation and deposition of dust.

Protection against fire and explosion:

Dust can form an explosive mixture with air. Avoid dust formation. Avoid deposition of dust. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage:

Segregate from foods and animal feeds.

Further information on storage conditions: Protect against moisture. Keep away from heat. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Workplace boundary limit: Ethanediol: 26 mg/m³

Workplace exposure standards:

Application in the workplace:

Exposure Standards outside:

The workplace:

Engineering measures

Hierarchy of controls:

Exposure control measures:

No Hazard indication:

Ventilation specification:

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

Breathing protection if breathable aerosols/dust are formed. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2) Wear respiratory protection if ventilation is inadequate.

Skin and body:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

Hands:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eyes:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General hygiene:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Granules
Colour:	White
Odour:	Odourless
pH:	
Vapour Pressure:	No data available
Vapour Density:	
Boiling Point:	
Freezing/melting point:	
Solubility:	dispersible
Specific gravity or density:	
Density:	
Setting Point:	
Information for flammable material including:	
- Lower and upper flammability limits	

- **Flashpoint (state test Method)** No data available

Auto – ignition Temperature:
Octanol/water partition coefficient:
Decomposition Temp:
Explosion properties:
Oxidation properties:

10. STABILITY AND REACTIVITY

Thermal Decomposition: No decomposition if stored and handled as prescribed/indicated

Conditions to avoid:
Materials to avoid:

Hazardous decomposition Products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Substances to avoid: None known

Specific Data:
Hazardous reactions : No hazardous reactions if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral : LD₅₀ rat: 149 mg/kg

Acute toxicity - Dermal : LD₅₀ rat: > 1,200 mg/kg

Acute toxicity – Inhalation: LC₅₀ rat: > 2.46 mg/L

Skin irritation : Rabbit: non-irritant

Mucous membrane: Primary irritations, rabbit: non-irritant

Sensitization : Guinea pig: No data available concerning sensitizing effects

Misuse may be harmful to health.

12. ECOLOGICAL INFORMATION

Ecotoxicity - Information on Cyanazine Fish LC₅₀ (48 h): 10 mg/L

Aquatic invertebrates Daphnia magna LC₅₀ (48 h): >42 to < 0.1 mg/L

Aquatic plants Pseudokirchneriella subcapitata EC₅₀ (96 h): < 0.1 mg/L

Persistence and degradabilityElimination information

Information on: Cyanazine

Evaluation: Not readily biodegradable (by OECD criteria).

Additional information:

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. DISPOSAL CONSIDERATIONS**Methods of disposal :**

Container: Triple rinse container and add rinsate to spray tank. Dispose of container at an approved landfill or Agrecovery Depot. Otherwise, either burn rinsed container in a suitable incinerator if circumstances, especially wind direction, allow, or crush and bury in a suitable landfill.

Product: Dispose of product only by using according to label or at an approved landfill. Do NOT burn product. Do NOT contaminate surface water with chemical or empty container.

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. TRANSPORT INFORMATION**International transport regulations****International transport regulations:**

Classified as Dangerous Good for land/rail, sea and air.

Hazchem code:

2Z

Hazard Class:

6

UN number:

2763

Packing Group:

III

Land - Road/Railway**Proper shipping name :**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, TOXIC, N.O.S. (Contains: cyanazine 90%)

Marine pollutant:

Yes

15. REGULATORY INFORMATION**ACVM Registered Number:**

P7068

HSNO Approval Code:

HSR000391

16. OTHER INFORMATION**Additional information:**

Disclaimer

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