

I. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product Name: **Bladex® 900 WG Herbicide**
Other Names: Cyanazine;
2-[(4-chloro-6-(ethylamino)-S-triazin-2-yl) amino]-2-methylpropionitrile
Product Code: None
Recommended Use: **Selective Herbicide**
Supplier: AgNova Technologies Pty Ltd
Address: P O 590
Eltham Vic 3095 Australia
Telephone: 0423 821 395
Facsimile: (03) 9722-2384
Website: www.agnova.com.au
Contact: General Manager
Emergency Telephone Number: 1800 033 111

2. HAZARDS IDENTIFICATION**HAZARDOUS SUBSTANCE – DANGEROUS GOOD**

Hazard Designation: Classified as hazardous according to the criteria of NOHSC
Risk Phrases: R22 Harmful if swallowed
Safety Phrases: Not applicable
ADG Classification: Dangerous Goods Class 6.1
SUSDP Classification: Poison Schedule 6

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (w/v):
Cyanazine	21725-46-2	90.0%
Non-Hazardous Inert Ingredients	-	10.0%

4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

Inhalation:	Remove to fresh air if aerosol spray is inhaled. If breathing is difficult, administer oxygen. Obtain medical attention immediately.
Skin Contact:	If on skin, remove contaminated clothing and wash skin thoroughly with soap and water. Obtain medical attention if irritation persists. Wash clothing before re-use.
Eye Contact:	If in eyes, hold eyes open and flood with water for at least 15 minutes and see a doctor.
First Aid Facilities:	Provide washing facilities in the workplace.
Medical Attention:	Treat symptomatically. If indicated, lavage with cuffed tube.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Alcohol resistant foam, carbon dioxide or dry chemical extinguishers required.
Hazards from Combustion Products:	Decomposition may give rise to toxic and noxious fumes. Remove drums from site of fire, if possible, as overheating may cause some of the drums to explode.
Precautions for Fire Fighters:	Ensure respiratory equipment is available. Evacuate immediate area. Avoid contact of water with material as toxic run-off will form. In this event, consideration should be given to allowing the fire to burn out. Contain run-off.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Product is poisonous if absorbed by skin contact or inhaled or swallowed. Avoid contact with eyes and skin and clothing. Do NOT inhale spray mist. If product or spray on skin immediately wash areas with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Environmental Precautions:

DO NOT contaminate ponds, irrigation channels, drains, streams, rivers or waterways with the chemical or used containers.

Methods for Cleaning Up:

Clear area of all unprotected personnel. Wear full protective equipment including breathing apparatus. Stop leak if safe to do so by maneuvering the container. Decant leaking container into a clean empty drum remote from the storage area and label. If the leaking container can be repacked, contact AgNova, so that an overdrum and transport for return to a nominated AgNova location can be arranged.

Do NOT flush to drains or sewers. Do NOT contaminate streams, rivers or water courses.

Absorb spill in lime, sand, earth or non-combustible absorbent material. Place material in open top drum, clean up with small amount of detergent and water, absorb and place in drum. Seal drum and bury in an area approved by the local waste disposal authority.

Wash or wipe down protective equipment in detergent solution and dry. Wash overalls, destroy if heavily contaminated.

Triple or (preferably) pressure rinse containers before disposal. Add rinsings to spray tank. Do NOT dispose of undiluted chemicals on-site. Break, crush or puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should NOT be burnt.

Observe government regulations.

7. HANDLING AND STORAGE

Handling:

Handling Precautions

Avoid contact with eyes, skin and clothing. Do not inhale vapour, spray mist or aerosol. Harmful if swallowed. When preparing product for use, wear elbow-length PVC gloves and face shield or goggles. Follow all precautions for the products with which Bladex will be mixed.

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing, gloves and face shield or goggles.

Other Precautions:

None.

Storage: Keep out of reach of children.

Store in the closed, original container, in a well-ventilated area, building or room, as cool as possible, away from children, animals or fodder. Do NOT store for prolonged periods in direct sunlight. Do NOT store with fertilisers, insecticides, fungicides and seeds. Protect product from frost.

Keep away from food and drink.

Ensure containers are correctly labelled and securely sealed.

Classified as a dangerous substance for transport purposes.

Eye-wash and washing facilities must be readily available. For disposing spills have lime, absorbent material and open head drums on hand.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: No exposure limits have been established.

Engineering Controls: Do not inhale spray mist.

Personal Protective Equipment: Product is poisonous if absorbed by skin contact or inhaled or swallowed. Avoid contact with eyes and skin and clothing. Do NOT inhale spray mist. If product or spray on skin immediately wash areas with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Follow all precautions for the products with which Bladex will be mixed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white granules
Odour:	Characteristic odour
Vapour Pressure:	0.0002 mPa
Vapour Density:	Not applicable
Boiling Point:	Not applicable
Melting Point:	167°C
Solubility:	Dispersible in water
Specific Gravity:	Not available
pH:	Not available
Flash Point:	Not applicable
Flammability (explosive) Limits:	Not available
Auto-Ignition Temperature:	Not applicable
Octanol/Water Partition Coefficient:	Not available

10. STABILITY AND REACTIVITY

Chemical Stability: Decomposition may give rise to noxious fumes.

Hazardous Polymerisation: Not available

Conditions to Avoid: Not available

Incompatible Materials: Not available

Hazardous Decomposition Products: Not available

11. TOXICOLOGICAL INFORMATION**Technical cyanazine**

Oral Toxicity: LD₅₀ Oral (ingestion) Rat = 288 mg/kg

Dermal Toxicity: LD₅₀ Dermal (skin contact) Rat = > 1,200 mg/kg

Inhalation Toxicity: No data available

Skin Irritation: No data available

Eye Irritation: No data available

Sensitisation: No data available

Mutagenicity: No data available

Significant Data with Possible Relevance to Human Health

No data available

12. ECOLOGICAL INFORMATION

Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

DO NOT contaminate ponds, irrigation channels, drains, streams, rivers or waterways with the chemical or used containers.

Technical Cyanazine

Fish Toxicity: No data available

Daphnia Toxicity: No data available

Bird Toxicity: No data available

Bee Toxicity: No data available

Other: No data available

**Environmental Fate,
Persistence and
Degradation:** No data available

13. DISPOSAL CONSIDERATIONS

1) *After Intended Use:*

Triple or (preferably) pressure rinse container before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. Break, puncture, crush and bury rinsed container in a local authority landfill. If not available, bury container below 500 mm in a marked disposal pit specifically set up for this purpose clear of waterways, vegetation and roots. Empty container and product should not be burnt.

2) *After Spill or Accident:*

Dispose of sealed containers at an approved local waste disposal site marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Dispose of waste product through a reputable waste contractor. If disposal of unwanted treated seed is necessary, bury seed below 500 mm in a disposal pit, specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

14. TRANSPORT INFORMATION

UN Number:	2763
Proper Shipping Name:	TRIAZINE PESTICIDES, SOLID, TOXIC, N.O.S. (contains cyanazine)
Class and Subsidiary Risk:	6.1
Packing Group:	III
EPG:	Guide 34
Hazchem Code:	2X

15. REGULATORY INFORMATION

Poison Schedule 6

Registered by the APVMA under Product Number 59148

16. OTHER INFORMATION

Trademark Information: Bladex® is a Registered Trademark of AgNova Technologies Pty Ltd.

Date of Preparation or Revision: Replaces June 2005 edition.
Reason for update: Updating supplier contact information and hazard details.

Data Sources: Manufacturer product safety data and published data

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

The opinions expressed herein are those of qualified experts with the manufacturer. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of AgNova Technologies Pty Ltd, it is the user's obligation to determine the conditions of safe use of the product.

END OF MSDS