

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
 Product name : XTRON® 700 WG Herbicide  
 Other means of identification : APVMA Approval No. 86778

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Herbicide  
 Restrictions on use : No additional information available

### 1.3. Details of the supplier of the safety data sheet

Arysta LifeScience Australia Pty Ltd  
 c/o Level 3, 70 Hindmarsh Square  
 Adelaide, SA 5000 - Australia  
 T +61 8 8112 0900

### 1.4. Emergency telephone number

Emergency number : 1800 033 111 (24-h Emergency Response Service Australia) IXOM  
 +61 3 9663 2130 (International)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GHS classification

Acute Tox. 4 (Oral) H302  
 Acute Tox. 4 (Inhalation:dust,mist) H332  
 Eye Irrit. 2B H320  
 STOT SE 3 H335  
 Aquatic Acute 1 H400  
 Comb. Dust

Full text of hazard classes and H-statements : see section 16

### 2.2. Label elements

#### GHS labelling

Hazard pictograms (GHS) :



GHS07

GHS09

Signal word (GHS) :

Warning

Hazard statements (GHS) :

May form combustible dust concentrations in air  
 H302+H332 - Harmful if swallowed or if inhaled  
 H320 - Causes eye irritation  
 H335 - May cause respiratory irritation.  
 H400 - Very toxic to aquatic life.

Precautionary statements (GHS) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product  
 P271 - Use only outdoors or in a well-ventilated area.  
 P273 - Avoid release to the environment.  
 P301+P312 - If swallowed: Call a poison center/doctor/... if you feel unwell  
 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  
 P330 - Rinse mouth.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P391 - Collect spillage.

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P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS)

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	% (w/w)	GHS classification
Amicarbazone; 4-amino-N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide	(CAS-No.) 129909-90-6	71.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Comb. Dust

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after eye contact	: Causes eye irritation.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible Dust.
Explosion hazard	: Dust may form explosive mixture in air.
Reactivity	: No dangerous reactions known.

### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid creating or spreading dust. Avoid contact with skin and eyes.

##### 6.1.1. For non-emergency personnel

Protective equipment : Chemical goggles or safety glasses. Dust impervious gloves.

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Chemical goggles or safety glasses. Dust impervious gloves.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Notify authorities if product enters sewers or public waters. Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Avoid generating dust.

Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container.

#### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container tightly closed.

Incompatible products : Strong bases. Strong acids. Strong oxidizers.

Incompatible materials : Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

XTRON® 700 WG Herbicide	
ACGIH	Not applicable
OSHA	Not applicable
Amicarbazone; 4-amino-N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide (129909-90-6)	
ACGIH	Not applicable
OSHA	Not applicable

#### 8.2. Exposure controls

Appropriate engineering controls : Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Use only outdoors or in a well-ventilated area.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Use rubber gloves. PVC. Fluoroelastomer (FKM). Butyl rubber gloves.

Eye protection : In case of dust production: protective goggles.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : granules.

Colour : Beige

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Odour	: slight characteristic
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20 °C	: No data available
Density	: 0.48 g/cm <sup>3</sup>
Solubility	: Dispersible.
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat. Direct sunlight.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Nitrogen oxides. Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Likely routes of exposure	: Inhalation; Skin and eye contact
Acute toxicity	: Oral: Harmful if swallowed. Inhalation:dust,mist: Harmful if inhaled.

XTRON® 700 WG Herbicide	
LD50 oral rat	1015 mg/kg female; >2000 mg/kg male
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 2030 mg/m <sup>3</sup> male
ATE US (oral)	1015 mg/kg bodyweight
ATE US (dust,mist)	2.098 mg/l/4h

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<b>Amicarbazono; 4-amino-N-(1,1-dimethylethyl)-4,5-dihidro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazolo-1-carboxamida (129909-90-6)</b>	
LD50 oral rat	1015 mg/kg female; 1300 mg/kg male
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2 mg/l/4h
ATE US (oral)	1015 mg/kg bodyweight
ATE US (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation	: Not classified.
Serious eye damage/irritation	: Causes eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after eye contact	: Causes eye irritation.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life.

<b>Amicarbazono; 4-amino-N-(1,1-dimethylethyl)-4,5-dihidro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazolo-1-carboxamida (129909-90-6)</b>	
LC50 fish 1	> 120 mg/l 96 h Bluegill
EC50 Daphnia 1	40.8 mg/l 48 h
EC50 other aquatic organisms 1	0.226 mg/l Duckweed
LC50 fish 2	> 128 mg/l 96 h Rainbow trout

### 12.2. Persistence and degradability

<b>XTRON® 700 WG Herbicide</b>	
Persistence and degradability	Not established.

<b>Amicarbazono; 4-amino-N-(1,1-dimethylethyl)-4,5-dihidro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazolo-1-carboxamida (129909-90-6)</b>	
Persistence and degradability	Product may persist in water.

### 12.3. Bioaccumulative potential

<b>XTRON® 700 WG Herbicide</b>	
Bioaccumulative potential	Not established.

<b>Amicarbazono; 4-amino-N-(1,1-dimethylethyl)-4,5-dihidro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazolo-1-carboxamida (129909-90-6)</b>	
BCF fish 1	2
Log Kow	1.23
Bioaccumulative potential	Not expected to bioaccumulate.

### 12.4. Mobility in soil

<b>Amicarbazono; 4-amino-N-(1,1-dimethylethyl)-4,5-dihidro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazolo-1-carboxamida (129909-90-6)</b>	
Ecology - soil	Expected to be highly mobile in soil.

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### Department of Transportation (ADG)

In accordance with ADG

- Transport document description : UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (amicarbazone), 9, III  
UN-No.(ADG) : UN3077  
Proper Shipping Name (ADG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (amicarbazone)  
Packing group (ADG) : III - Minor Danger  
Hazard labels (ADG) : 9 - Class 9 (Miscellaneous dangerous materials)



- Dangerous for the environment : Yes  
Marine pollutant : Yes

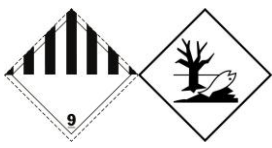


#### Additional information

- Emergency Response Guide (ERG) Number : 171  
Other information : No supplementary information available.

#### Transport by sea

##### IMDG

- Transport hazard class(es) (IMDG) : 9  
:  
  
Marine pollutant : Yes  
UN-No. (IMDG) : 3077  
Transport document description (IMDG) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (amicarbazone), 9, III, MARINE POLLUTANT  
Class (IMDG) : 9 - Miscellaneous dangerous substances and articles  
Packing group (IMDG) : III - substances presenting low danger  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F

#### Air transport

##### IATA

- Transport hazard class(es) (IATA) : 9  
:



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Marine pollutant	: Yes
UN-No. (IATA)	: 3077
Transport document description (IATA)	: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (amicarbazone), 9, III
Class (IATA)	: 9 - Miscellaneous Dangerous Goods
Packing group (IATA)	: III - Minor Danger

### SECTION 15: Regulatory information

**Amicarbazone; 4-amino-N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide (129909-90-6)**

Not listed on the AICS (Australian Inventory of Chemical Substances)

### SECTION 16: Other information

Data sources : European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>. Australia Worksafe "Preparation of Safety Data Sheets for Hazardous Chemicals".

Other information : None.

Full text of H-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Comb. Dust	Combustible Dust
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H320	Causes eye irritation
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Abbreviations and acronyms:

	ACGIH (American Conference of Government Industrial Hygienists)
	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals)
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	STEL: Short Term Exposure Limits
	TSCA: Toxic Substances Control Act
	TWA: Time Weighted Average

**SDS Prepared by:** The Redstone Group, LLC.  
6077 Frantz Rd  
Suite 206  
Dublin, Ohio, USA 43016  
614.923.7472  
[www.redstonegrp.com](http://www.redstonegrp.com)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*