## SECTION 1: Identification

### 1.1. Identification

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Amitron® 700WG Herbicide</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Recommended use</th>
<th>Herbicide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restrictions on use</td>
<td>No additional information available</td>
</tr>
</tbody>
</table>

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

Arysta LifeScience Australia Pty Ltd  
c/o Level 3, 70 Hindmarsh Square  
Adelaid, 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

<table>
<thead>
<tr>
<th>GHS classification</th>
<th>H302</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>H332</td>
</tr>
<tr>
<td>Acute Tox. 4 (Inhalation:dust,mist)</td>
<td>H320</td>
</tr>
<tr>
<td>Eye Irrit. 2B</td>
<td>H335</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>H400</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td></td>
</tr>
</tbody>
</table>

*Comb. Dust*

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

### 2.2. Label elements

#### GHS labelling

<table>
<thead>
<tr>
<th>Hazard pictograms (GHS)</th>
<th><img src="image" alt="GHS07" /> <img src="image" alt="GHS09" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal word (GHS)</td>
<td>Warning</td>
</tr>
</tbody>
</table>
| 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+P331 - If eye irritation persists: Get medical advice/attention.  
|                          | P391 - Collect spillage.  
|                          | P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
|                          | P405 - Store locked up.  

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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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% (w/w)</th>
<th>GHS classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>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</td>
<td>71.5</td>
<td>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</td>
<td></td>
</tr>
</tbody>
</table>

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

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.
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 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

<table>
<thead>
<tr>
<th>Product</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amitron® 700WG Herbicide</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Amicarbazole; 4-amino-N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide (129909-90-6)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

<table>
<thead>
<tr>
<th>Controls</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriate engineering controls</td>
<td>Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Use only outdoors or in a well-ventilated area.</td>
</tr>
<tr>
<td>Personal protective equipment</td>
<td>Avoid all unnecessary exposure.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Use rubber gloves. PVC. Fluoroelastomer (FKM). Butyl rubber gloves.</td>
</tr>
<tr>
<td>Eye protection</td>
<td>In case of dust production: protective goggles.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Wear appropriate mask.</td>
</tr>
<tr>
<td>Other information</td>
<td>Do not eat, drink or smoke during use.</td>
</tr>
</tbody>
</table>

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>granules.</td>
</tr>
<tr>
<td>Colour</td>
<td>Beige</td>
</tr>
</tbody>
</table>
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/cm³
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

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.

<table>
<thead>
<tr>
<th>Amitron® 700WG Herbicide</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>1015 mg/kg female; &gt;2000 mg/kg male</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 2030 mg/m³ male</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>1015 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (dust,mist)</td>
<td>2.098 mg/l/4h</td>
</tr>
</tbody>
</table>

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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)

<table>
<thead>
<tr>
<th>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)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>1015 mg/kg female; 1300 mg/kg male</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 2 mg/l/4h</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>1015 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (dust,mist)</td>
<td>1.5 mg/l/4h</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>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)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>&gt; 120 mg/l 96 h Bluegill</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>40.8 mg/l 48 h</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>0.226 mg/l Duckweed</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>&gt; 128 mg/l 96 h Rainbow trout</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>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)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>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)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
<tr>
<td>BCF fish 1</td>
<td>2</td>
</tr>
<tr>
<td>Log Kow</td>
<td>1.23</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Not expected to bioaccumulate.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>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)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - soil</td>
<td>Expected to be highly mobile in soil.</td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

Other information: Avoid release to the environment.
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
Amitron® 700WG Herbicide

Safety Data Sheet
Australia WorkSafe

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


Other information : None.

Full text of H-statements:

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

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

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.

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