



## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **AtraneX WG**  
Product Use: Residual herbicide for the control of certain broadleaf weeds in maize, sweetcorn, linseed and established lucerne  
Restriction of Use: Refer to Section 15  
New Zealand Supplier: ADAMA New Zealand Ltd  
Address: Level 1/93 Bolt Road  
Tahunanui, Nelson  
Telephone: +64 3 543 8275  
Email: [nzorders@adama.com](mailto:nzorders@adama.com)  
**Emergency Telephone: 0800 764 766 (National Poison Centre)  
0800 734 607 (24hr Emergency Response)**  
Date of SDS Preparation: 20 August 2024

### Section 2. Hazards Identification

**This substance is hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020**

**HSNO Approval No:** HSR101084

#### Pictograms



Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment acute Category 1	H410	Very toxic to aquatic life with long last effects.
Hazardous to the aquatic environment chronic Category 1		
Hazardous to soil organisms	H421	Very toxic to the soil environment.
Hazardous to terrestrial vertebrates	H433	Harmful to terrestrial vertebrates.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label carefully before use and follow all instructions.
P260	Do not breathe dusts.
P273	Avoid unintended release into the environment.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement
P501	Wherever possible completely use material by using according to label instructions. Dispose of unwanted product and wastes from spillages as hazardous substances in accordance with local and national regulations using a licensed waste disposal company. Triple rinse containers and add rinsate to spray tank before puncturing and offering for recycling or landfill. Do not allow product to enter waterways. Do not burn product or container.

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Atrazine	90	1912-24-9
Non-hazardous ingredients	To bal	-

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. If eye irritation occurs: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

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

##### Symptoms:

**Ingestion:** Not applicable.

**Chronic:** May cause damage to organs through prolonged or repeated exposure.

**Note to Doctor:** No specific antidote. Treat symptomatically.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non-Flammable.
<b>Hazards from combustion products</b>	None known.
<b>Suitable Extinguishing media</b>	Dry chemical, water spray (fog), foam or carbon dioxide.
<b>Precautions for firefighters</b>	Firefighters must wear self-contained breathing apparatus.

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Issued by: Adama New Zealand Ltd  
Tel: 64 3 543 8275

www.adama.com

<b>and special protective clothing</b>	Do not allow contaminated runoff to enter drains.
<b>HAZCHEM CODE</b>	<b>2Z</b>

## Section 6. Accidental Release Measures

Wear full protective clothing as detailed in Section 8. Evacuate area from unnecessary personnel.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

### Methods and material for containment and cleaning up

Cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal. Wash the spillage area with water, and flush to a sewer serviced by a wastewater treatment facility, if that facility is permitted to treat such wastewaters. Washings must be prevented from entering surface water drains. Dispose as per Local Regulations in Section 13.

## Section 7. Handling and Storage

### Precautions for Handling:

- Read label before use.
- Do not breathe dusts.
- Avoid unintended release into the environment.
- Wear personal protective equipment appropriate to the situation when handling product.

### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in tightly sealed original containers in a dry secure place away from fertilisers, seed, feed and food.
- Store out of direct sunlight.
- Keep out of reach of children, unauthorised persons and animals.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Atrazine [1912-24-9]	-	5	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

### Engineering Controls

In the Workplace: ensure ventilation is adequate and that air concentrations of components are controlled below quote Workplace Exposure Standards. Keep containers closed when not in use. No special requirements. Product is used outdoors.

## Personal Protective Equipment



<b>Eyes</b>	Substance is not an eye corrosive or an eye irritant however eye protection is recommended when handling any hazardous substance.
<b>Hands and Skin</b>	Avoid skin and eye contact and inhalation of dust. Wear overalls and PVC gloves.
<b>Respiratory</b>	Ensure adequate ventilation.
<b>General</b>	Avoid generating and inhaling dusts. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

### Section 9 Physical and Chemical Properties

<b>Appearance</b>	White powder
<b>Odour</b>	Not applicable
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	6.93
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	175.2°C
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Upper and Lower Exposure Limits</b>	Not applicable
<b>Vapour Pressure</b>	0.036 mPa (25°C)
<b>Density</b>	0.399 g/cm <sup>3</sup>
<b>Solubilities</b>	30.1 mg/l in water
<b>Partition Coefficient:</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Kinematic viscosity mm<sup>2</sup>/s 40 °C</b>	Not applicable
<b>Particle Characteristics</b>	Not applicable

### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Relatively stable in neutral, weakly acidic and weakly alkaline media; hydrolyzed by stronger acids and basis.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Very strong acid/alkaline formulations
<b>Hazardous Decomposition Products</b>	None known.

### Section 11 Toxicological Information

#### Acute Effects: Atrazine

<b>Swallowed</b>	Not applicable. LD 50 = Rat >5000mg/kg (rats)
<b>Dermal</b>	Not applicable. LD50 = >2000 mg/kg (rats)
<b>Inhalation</b>	Not applicable. LC50 = 1.68mg/l (rats)
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable

## Chronic Effects: Atrazine

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	May cause damage to organs through prolonged or repeated exposure.

### Section 12. Ecotoxicological Information

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Toxicity:</b>	LC50 (48 Hours) for rainbow trout is 10 mg/L. LC50 (48 Hours) for carp is 100 mg/L.  The compound is non toxic to bees.

Do not allow to enter waterways.

### Section 13. Disposal Considerations

**Disposal Method:** Wherever possible completely use material by using according to label instructions. Dispose of unwanted product and wastes from spillages as hazardous substances in accordance with local and national regulations using a licensed waste disposal company. Triple rinse containers and add rinsate to spray tank before puncturing and offering for recycling or landfill.



**Precautions:** Do not allow product to enter waterways.

**Disposal methods to avoid:** Do not burn product or container.

### Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in NZ; NZS 5433**



#### Road and Rail Transport

UN No: 3077  
Class-primary: 9  
Packing Group: III  
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**Air Transport**

UN No: 3077  
 Class-primary 9  
 Packing Group III  
 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**Marine Transport**

UN No: 3077  
 Class-primary 9  
 Packing Group III  
 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
 Marine Pollutant: Yes

**Special Provisions:**

If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

**Section 15 Regulatory Information****This substance is hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020**

**HSNO Approval Code:** HSR101084

**HSNO Classification:** Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates.

<b>HSW (HS) Regulations 2017</b>	<b>Trigger Quantity</b>
Signage Trigger Quantities (Schedule 3)	100Kg (9.1A)
Emergency Response Plan (Schedule 5)	100Kg (9.1A)
Secondary Containment (Schedule 5)	100Kg (9.1A)
Tracking (Schedule 26)	Not required
Certified Handlers	Not required
Location Certificate	Not required
<b>Hazardous Property Controls Notice 2017</b>	
HPC Notice Part 1	Hazardous Property Controls preliminary provisions
HPC Notice Part 3	Hazardous substances in a place other than a workplace
HPC Notice Part 4 Subpart A	Substances that are hazardous to the environment: Site and storage controls
HPC Notice Part 4 Subpart B	Use of substances that are hazardous to the environment
HPC Notice Part 4 Clause 47	Equipment for environmentally hazardous substances must be appropriate
HPC Notice Part 4 Clause 48	Record of application of agrichemicals
HPC Notice Part 4 Clause 52	Agrichemicals that are hazardous to the aquatic environment must not be applied to water
HPC Notice Part 4 Subpart C	Qualifications required for the application of substances that are hazardous to the environment
<b>ACVM Act and Regulations</b>	
ACVM Approval No	P9754
See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions.	

**Glossary**

ACVM	Agricultural Compounds and Veterinary Medicines Act 1997.
EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority.
HSNO	Hazardous Substances and New Organisms Act 1996.
HSW	Health and Safety at Work Act 2015.
HSW (HS) Regulations	Health and Safety at Work (Hazardous Substances) Regulations 2017.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level.
WES	Workplace Exposure Limit.

**References:**

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

**Disclaimer:**

This document has been issued by Adama New Zealand Ltd and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which is held by Adama New Zealand Ltd or has been obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. While Adama New Zealand Ltd have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Adama New Zealand Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS. The information herein is given in good faith, but no warranty, express or implied is made.

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