


## AGPRO Atrazine 900 WDG

## 1. SUBSTANCE IDENTIFICATION

|                                       |  |
|---------------------------------------|--|
| SUPPLIER NAME                         | AGPRO NZ Limited   |
| SUPPLIER ADDRESS                      | 10 Polaris Place, East Tamaki, Auckland                      |
| SUPPLIER CONTACT DETAILS              | 09 273 3456 or freephone 0508 536 536<br>www.agpro.co.nz     |
| EMERGENCY PHONE                       |  |
| POISON INFORMATION                    | 0800 POISON (0800 764 766) 24 hours                          |
| CHEMICAL EMERGENCY                    | 0800 CHEMCALL (0800 243 622) 24 hours                        |
| ACTIVE INGREDIENT(S) AND PRESENTATION | 900g/kg atrazine in the form of a water dispersible granule. |
| CHEMICAL FAMILY                       | Triazine   |
| USE                                   | Selective Herbicide  |

## 2. HAZARDS IDENTIFICATION

Classified as Hazardous according to the NZ Environmental Protection Authority criteria.

|                       |  |
|-----------------------|--|
| GHS CLASSIFICATIONS   | Acute oral toxicity Category 4<br>Specific target organ toxicity (repeated exposure) Category 2<br>Hazardous to the aquatic environment acute Category 1<br>Hazardous to the aquatic environment chronic Category 1<br>Hazardous to soil organisms<br>Hazardous to terrestrial vertebrates   |
| SIGNAL WORD           | WARNING  |
| PICTOGRAMS            |   |
| HAZARD STATEMENTS     | H302 Harmful if swallowed.<br>H373 May cause damage to organs through prolonged or repeated exposure.<br>H400 Very toxic to aquatic life (acute).<br>H410 Very toxic to aquatic life with long lasting effects (chronic).<br>H421 Very toxic to soil organisms<br>H433 Harmful to terrestrial vertebrates  |
| PREVENTION STATEMENTS | P102 Keep out of reach of children.<br>P103 Read carefully and follow all instructions.<br>P260 Do not breathe dust/vapours/spray.<br>P264 Wash face and hands thoroughly after handling.<br>P270 Do not eat, drink or smoke when using this product.<br>P271 Use only outdoors or in a well-ventilated area.<br>P273 Avoid unintended release to the environment. |

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## 2. HAZARDS IDENTIFICATION

|                     |                |  |
|---------------------|----------------|--|
| RESPONSE STATEMENTS | P280           | Wear protective gloves/protective clothing/eye protection/face protection.                 |
|                     | P101           | If medical advice is needed, have product container or label on hand.                      |
|                     | P301 + P312    | IF SWALLOWED: Call the POISON CENTRE or a doctor/physician if you feel unwell.             |
|                     | P312           | Call the POISON CENTRE or a doctor/physician if you feel unwell.                           |
|                     | P314           | Get medical advice/attention if you feel unwell.   |
|                     | P330           | Rinse mouth.   |
|                     | P391           | Collect spillage.  |
| STORAGE STATEMENTS  | See Section 7. |  |
| DISPOSAL STATEMENTS | P501           | Dispose of contents/containers in accordance with relevant regulations.<br>See Section 13. |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| COMMON NAME               | CAS NUMBER  | CONCENTRATION %w/w |
|---------------------------|-------------|--------------------|
| Atrazine                  | 1912-24-9   | 90%w/w (900g/kg)   |
| Non-hazardous ingredients | Proprietary | Balance to 100%    |

## 4. FIRST AID MEASURES

**For advice call the National Poisons Centre 0800 POISON (0800 764 766) 24 hours or a doctor.** If medical advice is needed have product container or label to hand.

|                        |   |
|------------------------|---|
| EYE CONTACT            | Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists, get medical attention/advice. |
| SKIN (or hair) CONTACT | Remove contaminated clothing and wash skin and hair with water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.     |
| INHALATION             | Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call a doctor if you feel unwell.        |
| INGESTION              | Do NOT induce vomiting. Rinse mouth. Call the POISON CENTRE or a doctor if you feel unwell.   |
| NOTES TO DOCTOR        | Treat symptomatically.  |
| FIRST AID FACILITIES   | Eye wash facilities and a safety shower should be available.  |

## 5. FIRE FIGHTING MEASURES

|                                |   |
|--------------------------------|---|
| EXTINGUISHING MEDIA            | Water fog, carbon dioxide or dry chemical. Prevent extinguishing media from entering drains.                                    |
| THERMAL DECOMPOSITION PRODUCTS | Non-flammable. Thermal decomposition may produce toxic fumes and compounds  |
| SPECIAL FIRE FIGHTING METHODS  | Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray. |
| HAZCHEM CODE                   | 2X  |

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## 6. ACCIDENTAL RELEASE MEASURES

|                           |   |
|---------------------------|---|
| PERSONAL PRECAUTIONS      | Exclude non-essential people from the area. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.   |
| ENVIRONMENTAL PRECAUTIONS | Prevent product from entering waterways or drains.  |
| SPILLS AND DISPOSAL       | Sweep up solid spills without generating dust and place in a sealable and labelled waste container. Wash area with and absorb with inert material such as attapulgate, soil, etc., and place in the waste container. Contain liquid spills and absorb with inert material. Dispose of safely at an approved landfill. See Section 13 for details on disposal. |

## 7. HANDLING AND STORAGE

|                          |  |
|--------------------------|--|
| PRECAUTIONS FOR HANDLING | Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust or spray mists. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas. Persons mixing, loading, applying or otherwise handling this product must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017. |
| STORAGE                  | Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area and avoid direct sunlight. Store away from foodstuffs, fertilisers or seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Stores containing 100 kg or more of AGPRO Atrazine 900 WDG require signage and an emergency response plan.                          |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                        |  |
|------------------------|--|
| EXPOSURE LIMITS        | A NZ Workplace Exposure Standard (WES) TWA 1 mg/m <sup>3</sup> has been established for atrazine [CAS: 1912-24-9].   |
| EYE PROTECTION         | Wear eye/face protection.  |
| RESPIRATORY PROTECTION | Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator with a P2 particulate filter for solids.  |
| PROTECTIVE CLOTHING    | Wear chemically resistant gloves, overalls, socks and chemical-resistant footwear.   |
| VENTILATION            | Avoid inhalation. Use in a well-ventilated area.   |
| HYGIENE PRECAUTIONS    | Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face before breaks and after work. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                          |                                |
|--------------------------|--------------------------------|
| APPEARANCE/STATE/ COLOUR | White uniform columnar granule |
| ODOUR                    | Not Available                  |
| ODOUR THRESHOLD          | Not Available                  |

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                     |  |
|-------------------------------------|--|
| pH (1% dilution)                    | 7.0 - 9.0                                      |
| MELTING POINT/FREEZING POINT        | Not Available                                  |
| INITIAL BOILING POINT/BOILING RANGE | Not Available                                  |
| FLASHPOINT                          | Not Applicable                                 |
| FLAMMABILITY                        | Non-flammable                                  |
| UPPER/LOWER FLAMMABILITY LIMITS     | Not Available                                  |
| VAPOUR PRESSURE                     | Not Available                                  |
| VAPOUR DENSITY                      | Not Available                                  |
| RELATIVE DENSITY                    | 0.48 – 0.54 g/cm <sup>3</sup> @ 25°C (typical) |
| SOLUBILITY                          | Dispersible in water                           |
| OCTANOL/WATER PARTITION COEFFICIENT | Not Available                                  |
| AUTOIGNITION TEMP                   | Not Applicable                                 |
| DECOMPOSITION TEMPERATURE           | Not Available                                  |
| KINEMATIC VISCOSITY                 | Not Available                                  |
| PARTICLE CHARACTERISTICS            | Not Applicable                                 |

## 10. STABILITY AND REACTIVITY

|                                  |   |
|----------------------------------|---|
| STABILITY                        | Stable under normal storage conditions in original container for two years.                           |
| CONDITIONS TO AVOID              | None known.   |
| MATERIALS TO AVOID               | Strong acids/bases. Oxidising and reducing agents. Moisture may cause caking of product.              |
| HAZARDOUS DECOMPOSITION PRODUCTS | Hazardous polymerisation will not occur. Thermal decomposition may produce toxic fumes and compounds. |

## 11. TOXICOLOGICAL INFORMATION

|                          |  |
|--------------------------|--|
| <b>ACUTE EFFECTS</b>     | No toxicological data is available for the finished product. |
| ORAL TOXICITY            | Harmful if swallowed<br>Atrazine LD50(rat) 750mg/kg          |
| DERMAL TOXICITY          | Atrazine LD50(rat) >2000mg/kg                                |
| INHALATION TOXICITY      | Atrazine LC50(rat) >5.8 mg/l                                 |
| EYE CORROSION/IRRITANCY  | No information   |
| SKIN CORROSION/IRRITANCY | May cause mild skin irritation                               |
| SKIN SENSITISATION       | Not a sensitiser   |

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## CHRONIC EFFECTS

|                        |   |
|------------------------|---|
| CARCINOGENICITY        | No information  |
| REPRODUCTIVE TOXICITY  | No information  |
| GERM CELL MUTAGENICITY | No information  |
| ASPIRATION             | No information  |
| STOT/SE                | No information  |
| STOT/RE                | May cause damage to organs through prolonged or repeated exposure |
| NARCOTIC EFFECTS       | No information  |

## 12. ECOLOGICAL INFORMATION

|                         |   |
|-------------------------|---|
| TOXICITY                | Very toxic to aquatic life with long lasting effects.<br>Very toxic to soil organisms and harmful terrestrial vertebrates.  |
| PRECAUTIONS             | Persons mixing, loading, applying or otherwise handling this product must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.<br>This product must not be applied directly into or onto water. Avoid contamination of any waterways with product or empty container.<br>Residual, selective herbicide - very toxic to some plant species.<br>Spray Drift Hazard - may cause serious damage to other desirable plants. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application. |
| ECOTOXICITY INFORMATION | Atrazine LC50 (Cyprinodon variegatus, 96hr) 2.0 mg/L<br>LC50 (Penaeus aztuecus, 48hr) 1.0 mg/L<br>EC50 (Scenedesmus subspicatus, 96hr) 0.021mg/L  |
| BIOACCUMMULATIVE        | No  |
| READILY DEGRADABLE      | Not biodegradable   |

## 13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.

|                    |   |
|--------------------|---|
| PRODUCT DISPOSAL   | Dispose of product only by using according to the label directions or if this is not possible contact your supplier for advice. |
| CONTAINER DISPOSAL | Dispose of empty packaging at an approved landfill. Do not burn. Do not use packaging for any other purpose.                    |

## AGPRO Atrazine 900 WDG

## 14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005, NZS 5433:2020, IMDG OR IATA.



|                                | Land Transport (NZS 5433)   | Sea Transport (IMDG/IMO)   | Air Transport (IATA/ICAO)  |
|--------------------------------|---|--|--|
| <b>UN Number</b>               | 3077  | 3077   | 3077   |
| <b>Proper Shipping Name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (atrazine 90%). | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., atrazine 90%). | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (atrazine 90%). |
| <b>Transport Hazard Class</b>  | 9   | 9  | 9  |
| <b>Subsidiary Class</b>        | -   | -  | -  |
| <b>Packing Group</b>           | III   | III  | III  |
| <b>Hazchem</b>                 | 2X  | 2X   | -  |
| <b>Marine Pollutant Status</b> |   | Marine Pollutant   |  |

## 15. REGULATORY INFORMATION

|                                   |  |
|-----------------------------------|--|
| ACVM REGISTRATION                 | Registered pursuant to the ACVM Act 1997, No. P010210.<br>See MPI website for registration conditions <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a>   |
| HAZARDOUS SUBSTANCE APPROVAL CODE | Approved pursuant to the HSNO Act 1996, Approval Code HSR000465<br>See the EPA website for approval controls <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>  |
| RECORDS OF APPLICATION            | If 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter the air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. |

**AGPRO Atrazine 900 WDG****16. OTHER INFORMATION**

|                   |  |
|-------------------|--|
| SDS ISSUE DATE    | 9 September 2024   |
| SDS REVIEW DATE   | September 2029   |
| REFERENCES        | Supplier SDS<br>NZ Workplace Exposure Standard and Biological Exposure Indices (April 2022)<br>NZ Chemical Classification Information Database<br>NZ EPA Hazardous Substance Approvals and Group Standards Databases |
| ABBREVIATIONS     |  |
| ACVM              | Agricultural Compounds and Veterinary Medicines  |
| CAS Number        | Chemical Abstract Service Number - used to uniquely identify chemical compounds  |
| EPA               | Environmental Protection Agency (New Zealand)  |
| g/L               | Grams per litre  |
| GHS               | Globally Harmonised System   |
| HSNO              | Hazardous Substances and New Organisms   |
| LC50              | Lethal Concentration, 50%/Median Lethal Concentration  |
| LD50              | Lethal Dose, 50%/Median Lethal Dose  |
| mg/m <sup>3</sup> | Milligrams per cubic metre   |
| STEL              | Short Term Exposure Limit  |
| WES               | Workplace Exposure Standard  |
| IMDG/IMO          | International Maritime Dangerous Goods/International Maritime Organisation   |
| IATA/ICAO         | International Air Transport Association/International Civil Aviation Organisation  |
| TLV               | Threshold Limit Value  |
| TWA               | Time Weighted Average  |
| OEL               | Occupational Exposure Limit  |

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

End of Safety Data Sheet