

1. IDENTIFICATION

Product Identifier: **Biowin ASN 26**

Other Means of Identification: Ammonium sulfonitrate (ASN)

Recommended Use of the Chemical and Restrictions on Use: Fertiliser

Details of Manufacturer or Importer: Biowin Fertilisers Australia Pty Ltd
3 Glenarm Rd, Glen Iris VIC 3146
1300 678 166

Emergency Telephone Number: 0430 178 727

2. HAZARD(S) IDENTIFICATION

Classification of the substance or mixture:

Classification EC 67/548 or EC 1999/45: not classified

Hazard Class and Category Code(s), Regulation (EC) no 1272/2008 (CLP) not classified

Label Elements : none

This product is not hazardous but contains hazardous components. Mixtures containing less than 80% ammonium nitrate are not classified irritating to eyes (Fertilizers Europe study July 2011)

ADG Classification: Based on available information, not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition

SUSMP Classification: Exempt from Poison Scheduling

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component:	CAS Number:	Proportion (%w/w):
Ammonium nitrate	6484-52-2	35-45
Ammonium sulphate	7783-20-2	50-75

4. FIRST AID MEASURES

Description of Necessary First Aid Measures:

Inhalation:	Remove casualty to fresh air.
Skin Contact:	Wash skin with mild soap and water.
Eye Contact:	Rinse immediately with plenty of water.
Ingestion:	Do not induce vomiting. Rinse mouth. Seek medical advice (show the label where possible).
First Aid Facilities:	Ensure washing facilities, including an eyewash, are available and maintained.

Symptoms caused by Exposure:

Inhalation:	Dust from this product may cause respiratory irritation.
Skin Contact:	Not expected to present a significant skin hazard under anticipated conditions of normal use.
Eye Contact:	Dust from this product may cause eye irritation.
Ingestion:	Health hazard if ingested in large quantities (gastro-intestinal disorders). In extreme cases, formation of methaemoglobin - "Blue baby syndrome" - and cyanosis may occur.

Medical Attention and Special Treatment:

Thermal decomposition generates toxic vapours.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Equipment:	Large quantity of water. Do NOT use CO ₂ , foam or sand
Specific Hazards arising from the Chemical:	Thermal decomposition generates toxic vapours.
Special Protective Equipment and Precautions for Fire Fighters:	The product is not flammable. May accelerate the burning of other combustible materials. Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Spills should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Equip cleanup crew with proper protection.
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Environmental Precautions:	Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
Methods and Materials for Containment and Cleaning Up:	Collect spills and put it into appropriate container. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing. Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Both local exhaust and general room ventilation are usually required. Handle in accordance with good industrial hygiene and safety procedures. Minimize generation of dust.
Conditions for Safe Storage, including any Incompatibilities:	Keep only in the original container in a cool, well ventilated place. Store away from heat/moisture. Prevent contamination by irrelevant materials.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:	General non-hazardous dust exposure limit TLV-TWA: 10 mg/m ³ (inhalable particles).
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Biological Monitoring:	Not specified.
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Control Banding:	Not specified.
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Engineering Controls:	Provide local exhaust or general room ventilation.
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Individual Protection Measures e.g. Personal Protective Equipment (PPE):	When using, do not eat, drink or smoke. <i>Eye and Face Protection:</i> Even though no specific eye irritation data is available, wear eye protection appropriate to conditions of use when handling this material. <i>Skin Protection:</i> In case of repeated or prolonged contact wear gloves. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn. Dermal Protection: Protective clothing (long sleeved overall) and chemically resistant gloves (Nitrile rubber, chloroprene rubber, butyl rubber or other suitable gloves, complying with the requirements of EN 374 (breakthrough time: 480 min; thickness: 0.6-0.8 mm; seek advice from glove supplier)). <i>Respiratory Protection:</i> No special respiratory protection equipment is recommended under
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normal conditions of use with adequate ventilation. Where excessive dust may result, wear approved mask.

Thermal Hazards:

Thermal decomposition generates toxic vapours. Wear appropriate PPE.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey pellet
Odour:	Odourless
Vapour Pressure (mm Hg):	Not applicable (not volatile)
Density:	0.85-0.95
Boiling Point:	Not applicable (solid)
Melting Point:	Not applicable (the product decomposes).
Solubility (in water):	Good
pH:	(10%) >4.5
Flash Point:	Not applicable (solid)
Flammability (explosive) Limits:	Not applicable (non-flammable solid)
Auto-Ignition Temperature:	Not applicable (non-flammable solid)
Octanol/Water Partition Coefficient:	Not applicable (solid)

10. STABILITY AND REACTIVITY

Chemical Stability:	Product is stable under normal conditions of storage, handling and use.
Possibility of Hazardous Reactions:	None under normal conditions.
Conditions to Avoid:	Heat. Open flame. Prevent contamination by irrelevant materials.
Incompatible Materials:	Strong acids. Strong bases. Reducing agents, alkalis, finely divided metals. Oxidizing agents - permanganates – chromates. Organic matters – Nitrites. Perchlorates - sodium hypochlorite
Hazardous Decomposition Products:	Thermal decomposition generates: ammonia, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Toxicological Information of the Mixture:

Acute Toxicity:	No data available
Skin Corrosion/Irritation:	No data available
Serious Eye	No data available

Damage/Irritation:

Respiratory or Skin Sensitisation:	No data available
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity (STOT) -Single Exposure:	No data available
Specific Target Organ Toxicity (STOT) -Repeated Exposure:	No data available
Aspiration Hazard:	No data available

Likely Routes Of Exposure

Inhalation:	Dust from this product may cause respiratory irritation.
Skin:	Not expected to present a significant skin hazard under anticipated conditions of normal use.
Eye:	Dust from this product may cause eye irritation.
Ingestion:	Health hazard if ingested in large quantities (gastro-intestinal disorders). In extreme cases, formation of methaemoglobin - "Blue baby syndrome" - and cyanosis may occur.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Low toxicity to aquatic life. No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	The product does not show any bio-accumulation phenomena.
Mobility in Soil:	No data available.
Other Adverse Effects:	Avoid release to the environment. As this fertilizer contains nitrate, heavy spillage may cause adverse environmental impact such as eutrophication in confined surface waters or nitrate contamination of ground or surface water.

13. DISPOSAL CONSIDERATIONS

Product Disposal:	Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
Container Disposal:	Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

Classification:	Based on available information, not classified as Dangerous Goods for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, 7 th Edition.
UN Number:	Not applicable
Proper Shipping Name or Technical Name:	Not applicable
Transport Hazard Class:	Not applicable
Packing Group:	Not applicable
Environmental Hazards for Transport Purposes:	Not applicable
Special Precautions for User:	Not applicable
HAZCHEM Code:	Not applicable

15. REGULATORY INFORMATION

SUSMP:	Not scheduled
APVMA:	Exempt from registration
State Departments of Agriculture / Primary Industries:	Registration not required
Australian Inventory of Chemical Substances (AICS):	All components listed
Toxic Substance – NZ	Exempt

16. OTHER INFORMATION

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The information given here is not necessarily exhaustive but is representative of relevant, reliable data.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.