

## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

<b>Section 1. Identification of the material and the supplier</b>
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Product: **Avipel® Seed Treatment**  
 Product Use: Seed Treatment – Bird Repellant  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Agrisource 2000 Ltd**  
 Address: 45 Kitchener Road  
 Pukekohe, Auckland

Telephone: +64 9 237 0422  
**Emergency No: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 3 December 2021

<b>Section 2. Hazards Identification</b>
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This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**EPA Approval No:** Surface Coatings and Colourants, Toxic [6.7] - HSR002679

**Pictograms**



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Eye irritation Cat. 2	H319	Causes serious eye irritation.
Carcinogenicity Cat. 2	H351	Suspected of causing cancer.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.
P281	Use personal protective equipment as required.

<b>Response Code</b>	<b>Response Statement</b>
P101	If medical advice is needed, have product container or label at hand.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P391	Collect spillage.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

<b>Storage Code</b>	<b>Storage Statement</b>
P405	Store locked up.

<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Dispose of according to Local Regulations or Authorities

<b>Section 3.</b>	<b>Composition / Information on Hazardous Ingredients</b>
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<b>Ingredients</b>	<b>Wt%</b>	<b>CAS NUMBER.</b>
9, 10 Anthraquinone	40 - 50	84-65-1
Other ingredients	To 100%	Proprietary

<b>Section 4.</b>	<b>First Aid Measures</b>
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Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	In case of skin contact, immediately flush skin with plenty of water and soap. Remove contaminated clothing. Cold water may be used. Wash clothing before reuse. Get medical attention if irritation persists.
If Swallowed	Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
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. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

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

Symptoms: None known.

**Advice to Physician:** Treat Symptomatically

<b>Section 5.</b>	<b>Fire Fighting Measures</b>
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<b>Hazard Type</b>	Non-Flammable
<b>Hazards from combustion products</b>	No data available.
<b>Suitable Extinguishing media</b>	Water spray, dry chemical, carbon dioxide, foam.
<b>Precautions for firefighters and</b>	In the event of a fire wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or gases.

<b>special protective clothing</b>	
<b>HAZCHEM CODE</b>	<b>NA</b>

<b>Section 6. Accidental Release Measures</b>
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Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and an approved pesticide respirator or air-supplied respirator. Evacuate all unnecessary personnel. Extinguish any sources of ignition. Spills may be slippery and should be cleaned up immediately.

Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

Large spill: Dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains.requirements of Local Authorities.

<b>Section 7. Handling and Storage</b>
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**Precautions for Handling:**

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- When mixing or applying, avoid contact with skin and eyes.
- Do not eat or drink while using.
- Wash hands and face before meals and after work.
- Wash protective clothing after work.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store locked up.
- Store in original container tightly closed and in a locked, dry, cool, well-ventilated area, away from feed, seeds and foodstuffs.
- Store in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).
- Packaging Materials: HDPE Plastic bottle.

<b>Section 8 Exposure Controls / Personal Protection</b>
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**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

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 2020 12<sup>TH</sup> EDITION.

**Engineering Controls**

Ensure ventilation is adequate, generally natural ventilation is adequate.

## Personal Protection Equipment



<b>Eyes</b>	Wear chemical goggles or face shield.
<b>Hands and body</b>	When opening the container, preparing spray and using prepared spray wear chemical resistant overalls buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves.
<b>Respiratory</b>	Where insufficient ventilation, use suitable respiratory protection.
<b>General</b>	Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks and tobacco.

### Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Tan
<b>Odour</b>	Weak aromatic
<b>Odour Threshold</b>	Not available
<b>pH</b>	7.5 – 8.5
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity or density</b>	Not available
<b>Solubility</b>	Soluble in water (20 <sup>o</sup> )
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available

### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None expected.
<b>Conditions to Avoid</b>	No data available.
<b>Incompatible Materials</b>	No data available.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may produce toxic and/or hazardous gases.

### Section 11 Toxicological Information

#### Acute Effects:

<b>Swallowed</b>	Not applicable. LD50 >5000mg/kg (rat)
<b>Dermal</b>	Not applicable. LD50 >5000mg/kg (rabbit)
<b>Inhalation</b>	Not applicable. LC50 >2.04 mg/kg (rat)
<b>Eye</b>	Causes serious eye irritation.
<b>Skin</b>	Not applicable.

## Chronic Effects:

<b>Carcinogenicity</b>	Suspected of causing cancer.
<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>	Not applicable.

## Section 12. Ecotoxicological Information

<b>Product: Fish Toxicity</b>	LC <sub>50</sub> 5,300mg/l (pimephales promelae)
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

Do not allow to enter waterways.

## Section 13. Disposal Considerations

### Disposal Method:

Triple rinse container. Dispose of cleaned container at your local AGRECOVERY container collection site.



**Precautions or methods to avoid:** Non stated

## Section 14 Transport Information

**This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

### Road, Rail, Sea and Air Transport

<b>UN No</b>	NA
<b>Class - Primary</b>	NA
<b>Packing Group</b>	NA
<b>Proper Shipping Name</b>	NA
<b>Marine Pollutant</b>	NA
<b>Special Provisions</b>	NA

<b>Section 15</b>	<b>Regulatory Information</b>
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This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

**EPA Approval No:** Surface Coatings and Colourants, Toxic [6.7] - HSR002679

<b>HSW (HS) Regulations 2017</b>	<b>Trigger Quantity</b>
Signage Trigger Quantities (Schedule 3)	NA
Emergency Response Plan (Schedule 5)	NA
Secondary Containment (Schedule 5)	NA
Tracking (Schedule 26)	Not required
Certified Handlers	Not required
<b>HSNO Additional Controls (Restrictions of use)</b>	
	For intended use only
<b>Hazardous Property Controls Notice 2017</b>	
HPC Notice Part 4 Clause 47	NA
HPC Notice Part 4 Clause 48	NA
HPC Notice Part 3	NA
HPC Notice Part 4 Subpart A	NA
HPC Notice Part 4 Subpart C	NA
<b>ACVM Act and Regulations</b>	
See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration Conditions	<b>N/A</b>

<b>Section 16</b>	<b>Other Information</b>
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**Glossary**

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
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 2020 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

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Please contact the Agrisource 2000 Ltd, if further information is required.

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