

## Section 1 - Identification of the Material and Supplier

<b>Product Name:</b>	<b>Swan Imidacloprid 600 FS Insecticide</b>
<b>APVMA Approval No.:</b>	96491
<b>Chemical Nature:</b>	Flowable formulation containing imidacloprid
<b>Product Use:</b>	Agricultural flowable seed dressing as described on the product label
<b>Company:</b>	<b>Swan Chemical Holdings Pty Ltd</b> Unit 2 / 9 Glossop Street, Wangara WA 6065 Phone: 1300 289 520 <a href="mailto:info@swanchemicalholdings.com">info@swanchemicalholdings.com</a> swanchemicalholdings.com
<b>Creation Date:</b>	October 2025
<b>Poisons Information Centre:</b>	<b>Phone 13 11 26 from anywhere in Australia</b>

## Section 2 - Hazards Identification

### Hazardous Nature

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not subject to the ADG Code when transported in Australia by Road or Rail in packages 500 kg(L) or less; or IBCs (refer to SP AU01). However, if transported by Air or Sea, this provision does not apply. Then the product is classed as Dangerous (Class 9 Environmentally Hazardous) by IATA and IMDG/IMSBC respectively.

See details below and in Section 14 of this SDS.



Environment

Aquatic Acute 1 Aquatic Chronic 1 H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.



Acute Toxicity (Oral) 4 H302 Harmful if swallowed.

### Signal Word Warning

### Hazard Statements

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

### Precautionary Statements

P273 Avoid release to the environment.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

## Section 3 - Composition/Information on Ingredients

**Chemical Characterization:** Mixtures

**Description:** Mixture of substances listed below with non-hazardous additions.

**Hazardous Components:**

13826-41-3	imidacloprid (ISO)	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Toxicity (Oral) 4, H302	600 g/L
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## Section 4 - First Aid Measures

**General Advice:** First Aid responders should ensure their own safety and use the recommended protective clothing (chemical resistant gloves and splash protection). If the potential for exposure exists, wear PPE as specified in Section 8.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. Rinse mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**Information for Doctor:**

No specific antidotes are known for neonicotinoid intoxications. It is important to support respiration if signs of paralysis appear and to monitor blood pressure and pulse rate, since bradycardia and hypotonia are possible. Since the compounds do not inhibit cholinesterase activity, treatment with a reactivating oxime is not indicated.

Symptoms of poisoning may be mediated by either stimulation or inhibition of nicotinic activity, or by other possible mechanisms. Therefore, treatment with a nicotinic antagonist might be either ineffective or contraindicated. Treat symptomatically.

**Symptoms Caused by Exposure:**

Ingestion: Swallowing large quantities may cause vomiting, diarrhoea, abdominal pain, lethargy, depressed muscular tone, muscular cramps, respiratory disturbances and trembling.

## Section 5 - Fire Fighting Measures

**Suitable Extinguishing Media:** Foam, dry chemical powder or carbon dioxide.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and nitrogen, hydrogen chloride and phosgene. Product is not flammable but may burn if heated. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## Section 6 - Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

## Section 7 - Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well-ventilated area. Keep container tightly closed when not in use. Protect from prolonged periods in direct sunlight, heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents

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## Section 8 - Exposure Controls and Personal Protection

### Exposure Standards:

#### 56-81-5 1,2,3-Propanetriol

NES TWA: 10 mg/m<sup>3</sup>

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

### Respiratory Protection:

Use a Safe Work Australia approved vapour respirator with filter type a-p under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

### Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves, cotton overalls buttoned to the neck and wrist and a washable hat. See Australian/New Zealand Standard AS/NZS 2161 and 4501 for more information.

### Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## Section 9 - Physical and Chemical Properties:

### Appearance:

Form:	Liquid suspension
Colour:	Dark pink to red
Odour:	No information available

Odour Threshold: No information available

pH-Value: 9-10

Melting point/freezing point: -10 °C

Initial Boiling Point/Boiling Range: > 100 °C

Flash Point: > 93.4 °C

Flammability: Product is not flammable

Auto-ignition Temperature: No information available

Decomposition Temperature: No information available

### Explosion Limits:

Lower:	No information available
Upper:	No information available

Vapour Pressure: No information available

Relative Density: 1.23 (water = 1)

Vapour Density: No information available

Evaporation Rate: No information available

Solubility in Water: Miscible

## Section 10 - Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces and direct sunlight.

**Incompatible Materials:** Oxidising agents.

**Hazardous Decomposition Products:** Combustion products include oxides of carbon and nitrogen, hydrogen chloride and phosgene.

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## Section 11 - Toxicological Information

**Toxicity:**

<b>LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:</b>		
<b>56-81-5 1,2,3-Propanetriol</b>		
Oral	LD <sub>50</sub>	12600 mg/kg (rat) 4090 mg/kg (mouse) 7750 mg/kg (guinea pig)
	TDL <sub>0</sub>	1428 mg/kg (human)
<b>138261-41-3 Imidacloprid (ISO)</b>		
Oral	LD <sub>50</sub>	150 mg/kg (mouse) 410 mg/kg (rat)
Dermal	LD <sub>50</sub>	>5000 mg/kg (rat)
Inhalation	LC <sub>50</sub>	>5323 mg/kg (rat)
	LC <sub>50</sub> /4 h	>69 mg/m <sup>3</sup> (rat)

**Acute Health Effects****Inhalation:**

May cause respiratory irritation. The inhalation of vapours or aerosols (mists, fumes) generated by the material during the course of normal handling, may be damaging to the health of the individual.

**Skin:**

Open cuts, abraded or irritated skin should not be exposed to this material as entry to the blood stream may occur and product systematic injury. The material may cause mild but significant inflammation of the skin either following direct contact or after a delay.

**Eye:** May cause eye irritation.

**Ingestion:**

Harmful if swallowed. Swallowing large quantities may cause vomiting, diarrhoea, abdominal pain, lethargy, depressed muscular tone, muscular cramps, respiratory disturbances and trembling. Animal experiments indicate that ingestion of less than 150 grams may be fatal or may produce serious damage to health.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:**

May cause sensitisation by inhalation in some individuals. Prolonged eye contact may cause inflammation characterised by a temporary redness of the conjunctiva.

Repeated skin exposure can cause contact dermatitis which is characterised by redness, swelling and blistering.

Substance accumulation in the body is likely following repeated or long-term exposure.

**Existing Conditions Aggravated by Exposure:** May aggravate any pre-existing dermatitis condition.

**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for imidacloprid for a human is 0.06 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 6 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2017).

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## Section 12 - Ecological Information

**Ecotoxicity:** Harmful to bees by direct contact.

**Aquatic toxicity:** Very toxic to aquatic life with long lasting effects.

**Persistence and Degradability:** The persistence of imidacloprid is high in water/soil. The persistence of glycerol is low in water/soil.

**Bioaccumulative Potential:** The bioaccumulation of imidacloprid and glycerol is low.

**Mobility in Soil:** The mobility of imidacloprid is medium. The mobility of glycerol is high.

## Section 13 - Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information

## Section 14 - Transport Information

**UN Number**

**ADG** Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail in packaging, including IBCs not greater than 3000 L each - SP No. AU01.

**IMDG, IATA**

UN3082

**Proper Shipping Name**

**IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., MARINE POLLUTANT

**IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**Dangerous Goods Class**

**IMDG Class:**

9 Miscellaneous dangerous substances and articles.

**Packing Group:**

**IMDG, IATA**

III

**Marine pollutant:**

Yes

## Section 15 - Regulatory Information

**Australian Inventory of Chemical Substances:**

56-81-5 1,2,3-Propanetriol

138261-41-3 Imidacloprid (ISO)

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 6

## Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

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OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

**Please read all labels carefully before using product.**

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