



Section 1 - Identification of the Material and Supplier

Product Name:	Swan Invigorate In-furrow Moisture Retention Agent
Chemical Nature:	Proprietary blend of polyethylene glycol and ethoxylated alcohols
Product Use:	In-furrow Moisture Retention Agent for use as described on the product label
Company:	Swan Chemical Holdings Pty Ltd U2/9 Glossop Street, Wangara WA 6065 Phone: 1300 289 520 info@swanchemicalholdings.com swanchemicalholdings.com
Creation Date:	November 2025
Poisons Information Centre:	Phone 13 11 26 from anywhere in Australia

Section 2 - Hazards Identification

Hazardous Nature

Not Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Poison Schedule: Not Applicable

GHS Classification

Serious eye damage / eye irritation Category 2A

Hazard Statements

H318 Causes serious eye irritation.



Signal Word WARNING

Precautionary Statements

Prevention

P280 Wear protective gloves, protective clothing, eye protection/ and face protection.

P264 Wash all exposed external body areas thoroughly after handling.

Response

P305+P352 +P358 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P3130 If eye irritation persists: Get medical advice/attention

Storage

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

Section 3 - Composition/Information on Ingredients

Chemical Characterization: Mixture

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

CAS No.	% Weight	Name
9003-11-6	<60%	Polxamer
103818-93-5	1-5%	Alcohols C9-11ethoylated propoxylated
	Balance	Non-hazardous ingredients

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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).

Inhalation:

If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.

Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor

Skin Contact:

If this product comes in contact with the eyes:

Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Eye Contact:

If this product comes in contact with the eyes:

Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Ingestion:

If swallowed do **NOT** induce vomiting.

If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.

Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice. Avoid giving milk or oils. Avoid giving alcohol.

Section 5 - Fire Fighting Measures

Extinguishing media

The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas.

Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances.

In such an event consider; foam, dry chemical powder, carbon dioxide.

Specific Hazards Arising from the Chemical: n/a

Fire Incompatibility: None known

Special Protective Equipment and Precautions for Fire Fighters:

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

HAZCHEM: Not applicable

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 watercourses.

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. If absorbent material is not available or spill is too large, create a dike to stop spill from spreading. Collect the spilled material and place into a suitable container for disposal.

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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 in original container tightly closed when not in use. Protect from heat, sparks, open flames, hot surfaces and direct sunlight. Keep away from strong oxidising agents, strong acids and strong bases.

Section 8 - Exposure Controls and Personal Protection

Engineering Controls:

Ensure adequate ventilation of the working area.

Handling Precautions:

Avoid contact with eyes, skin and clothing. Wash off immediately with soap and water if contact occurs

Section 9 - Physical and Chemical Properties :

Appearance:	Opaque liquid with no odour; mixes with water
Odour:	Not available
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	Combustible
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 at 20 °C:	1.06
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Mixes in water
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
Poisons Schedule:	Not Scheduled
Formulation Type:	Liquid

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: Strong oxidising agents, strong acids and strong bases.

Section 11 - Toxicological Information

Toxicity Data

LD50/LC50 Values Relevant for Classification:

Poloxamer

 Oral LD50: 22,400 mg/kg (rat)

 Dermal LD50: >5,000 mg/kg (rabbit)

Alcohols C9-11 ethoxylated propoxylated

 Oral LD50: >1,378 mg/kg (rat)

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Issued by: Swan Chemical Holdings Pty Ltd

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Dermal LD50: >2000 mg/kg (rabbit)

Acute Health Effects

Inhalation: The material is not thought to produce respiratory irritation

Skin: Repeated exposure may cause skin cracking, flaking or drying following normal handling and use.

Eye: If applied to the eyes, this material causes severe eye damage.

Ingestion: Accidental ingestion of the material may be harmful;

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

Respiratory or Skin Sensitisation: Repeated exposure may cause skin cracking, flaking or drying following normal handling and use.

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: Repeated or long-term occupational exposure is likely to produce cumulative health effects involving organs or biochemical systems

Other Adverse Effects: No information available.

Section 12 – Ecological Information

Ecological Data

LD50 – 96 hr Fish:

Alcohols C9-11 ethoxylated propoxylated

Fish - Oral LD50: 7 mg/L

DO NOT discharge into sewer or waterways.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and Degradability: Low

Bioaccumulation Potential: Low

Persistence and Degradability: No data

Section 13 - Disposal Considerations

Safe Handling And Disposal Methods

Recover or recycle if possible. Refer to local waste management authority for other approved methods. Empty containers should be decontaminated by rinsing with water prior to disposal or recycling. Product must be contained and not disposed of in sewerage systems, drains or waterways. Advise combustible nature.

Disposal Of Contaminated Packaging

Empty packaging should be disposed of in accordance with local, state, and federal regulations or recycled/reconditioned at an approved facility.

Environmental Regulations

Dispose of in accordance with relevant local, state and federal legislation.

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

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

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Proper Shipping Name ADG, IATA
Dangerous Goods Class ADG Class:
Packing Group: ADG, IMDG, IATA
Marine pollutant: No
Hazchem Code: Not applicable
Limited Quantities: n/a
Packaging & IBCs - Packing Instruction:

Section 15 - Regulatory Information

Australian Inventory of Industrial Chemicals (AIIC): All ingredients included
Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) – Not Scheduled

Section 16 - Other Information

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

Acronyms:

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

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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