SAFETY DATA SHEET

Section 1 - Identification of the Material and Supplier

Product Name: Swan 704 Penetrating Spray Adjuvant
APVMA Approval No.: 94479
Chemical Nature: Liquid
Product Use: A Biodegradable Penetrator Adjuvant to Enhance the Effectiveness of Certain Herbicides
Company: **Swan Chemical Holdings Pty Ltd.**
U2/9 Glossop Street, Wangara WA 6065
Phone: 1300 289 520
info@swanchemicalholdings.com
swanchemicalholdings.com
Creation Date: May 2024
Poisons Information Centre: Phone 13 11 26 from anywhere in Australia

Section 2 - Hazards Identification

Classification of Substance or Mixture
Poison Schedule None allocated
Classification Serious Eye Damage Category 1, Chronic Aquatic Hazard Category 3
Legend *1. Classified by Chemwatch; 2. Classification drawn from HSIS; 3. Classification drawn from EC Directive 1272/2008 - Annex VI*


Corrosion

Signal Word: WARNING
Hazard Statements
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements - Prevention
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
Precautionary Statements - Response
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTRE/doctor.
Precautionary Statements - Storage
n/a
Precautionary Statements - Disposal
P501 Dispose of contents/container in accordance with any local regulation.

Section 3 - Composition/Information on Ingredients

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

Chemical Name	CAS No.	% (Weight)Ra

Canola oil, methyl ester	73891-99-3	>75%
Nonylphenol, ethoxylate	9016-45-9	>15%
Alcohol, C9-11, ethoxylated	68439-46-3	>4%

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. Get 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 for 15-20 minutes. Wash clothing before reuse.

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. Get immediate medical attention.

Ingestion:

If swallowed, immediately call a doctor or Poisons Information Centre on 13 11 26. DO NOT induce vomiting unless told to do so by a doctor or Poison Control Centre. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. DO NOT give anything by mouth to an unconscious person.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media:

- Water spray or fog.
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

DO NOT use water jets.

Special Hazards Arising from the Substrate or Mixture

Fire Incompatibility:

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

Advice for Firefighters

Fire Fighting

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear full body protective clothing with breathing apparatus.
- Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools.
- **DO NOT** approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.

Fire/Explosion Hazard

- Combustible.
- Slight fire hazard when exposed to heat or flame.
- Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO).
- May emit acrid smoke.
- Mists containing combustible materials may be explosive.

Combustion products include:
- Carbon dioxide (CO_2)
- Acrolein
- other pyrolysis products typical of burning organic material.
- May emit poisonous fumes.
- May emit corrosive fumes.

CARE: Water in contact with hot liquid may cause foaming and a steam explosion with wide scattering of hot oil and possible severe burns. Foaming may cause overflow of containers and may result in possible fire.
HAZCHEM Code: Not Applicable.

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures
Clean up spills immediately to prevent further accidents. Eliminate all ignition sources. Wear personal protective equipment (PPE) as specified in Section 8. Avoid contact with spilled or released material. Shut off leaks, if safe to do so. Isolate hazard area and deny entry to unnecessary or unprotected personnel.
Environmental Precautions
Prevent from spreading and entering waterways by using sand, earth or other non-combustible material.
Methods and Materials for Containment and Cleaning up
Contain spillage, then absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all ignition sources. In the event of a large spill, contain spilled material with sand, earth or other absorbent material. Prevent run-off into drains or waterways. Transfer spilled material to suitable containers for re-use or disposal. Transfer contaminated sand or earth into suitable containers for disposal. Clearly label all containers. Wash contaminated area with detergent and water.

Section 7 - Handling and Storage

Precautions for Safe Handling
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.
DO NOT allow clothing wet with material to stay in contact with skin.

Conditions for Safe Storage
Keep out of reach of children. Store in the closed, original container in a well-ventilated area out of direct sunlight. DO NOT re-use container.
Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.
If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation, and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

Section 8 - Exposure Controls and Personal Protection

Exposure Standards
Biological Limits
None known.
Engineering Controls
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.
Individual protective measures and personal protective equipment (PPE)
Eye Protection: Safety glasses with side shields. Chemical goggles.

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.
Respiratory Protection: Respirator: Use a Safe Work Australia approved vapour respirator 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.

Section 9 - Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Colourless to pale amber
Odour:	No odour
Odour Threshold:	No information available
pH-Value at 23 °C:	7 - 10 (1% in water)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
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 at 25 °C:	No information available
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Mixes with water, miscible

Section 10 - Stability and Reactivity

Reactivity
This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf-life properties.
Conditions to Avoid
Keep away from heat, flames and sparks. Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.
Incompatibilities
Strong oxidising agents.
Fire Decomposition
Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. May form hydrogen chloride gas, other compounds of chlorine. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure.
Potential Health Effects:
ACUTE EFFECTS
Swallowed: Low toxicity. Ingestion of large quantities may cause nausea, vomiting or diarrhoea.

Eye: The concentrate may cause mild irritation of the eyes. May cause redness and discomfort.
Skin: Unlikely to cause skin irritation, but may be mildly irritating from repeated or prolonged exposure.
Inhaled: Inhalation of mists or sprays may produce respiratory irritation.
Long Term Exposure:
Chronic toxicity: no information available.

Section 12 - Ecological Information

Ecotoxicity
Based on the ingredients, this product is of low toxicity to aquatic organisms and may cause long term adverse effects in the aquatic environment
Persistence and Degradability
The main components of this product are not readily biodegradable. Some minor components may persist in the environment.
Mobility in Soil
Moderate mobility in soil. Evaporates from water or soil surfaces but a significant proportion will remain after one day. Large volumes may penetrate soil and could contaminate groundwater. Contains volatile constituents.
Bio-accumulative Potential
Bioconcentration potential for active ingredient is low. Some minor ingredients may have high potential to bioaccumulate.
Other adverse effects
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

Not regulated for transport according to the criteria of the Australian Code for transport of Dangerous Goods.

Section 15 - Regulatory Information

Australian Inventory of Industrial Chemicals:
All components are on the inventory, or in compliance with the inventory.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.
Abbreviations and Acronyms:
ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

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 should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

Please read all labels carefully before using product.
This SDS is prepared in accord with the SWA document 'Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice' (Feb 2016)