

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Wetter 600 Surfactant**

Other Names: Wetter 600, Nonyl phenol ethylene oxide condensate.
Use: Non-ionic wetting agent for use with agricultural chemicals.
Company: AIRR Apparent Pty Ltd.
Address: 15/16 Princes Street, Newport NSW 2106.
ACN/ABN: 153 573 641.
Email: enquiries@apparentag.com.au
Emergency Contact: 0411 227 338

SECTION 2

HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of Safe Work Australia.
Not classified as a Dangerous Good according to the ADG Code.
Combustible Liquid (C2).**

Globally Harmonised System (GHS) classification of the substance/mixture:

Flammable Liquids – Hazard Category 4.
Acute Toxicity – Oral - Hazard Category 4.
Skin Corrosion/Irritation – Hazard Category 2.
Eye Damage/Irritation – Hazard Category 1.

Signal Word: WARNING.

Hazard Statements:

H227 Combustible liquid.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye damage.

Precautionary Statements:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P264 Wash hands, arms and face thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment see Safety Directions on product label.
P330 Rinse mouth.
P332 + P313 If skin irritation occurs: Get medical advice /attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

Storage:

P403 Store in a well-ventilated place.

SECTION 2 HAZARDS IDENTIFICATION (Continued)**Disposal:**

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

Pictograms:**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS****Ingredients:**

CHEMICAL	CAS NUMBER	PROPORTION
Nonyl phenol ethylene oxide condensate	9016-45-9	600 g/L
Other ingredients determined not to be hazardous		Balance

SECTION 4 FIRST AID MEASURES**FIRST AID**

- Ingestion:** If swallowed do NOT induce vomiting. Rinse mouth and then drink plenty of water. If swallowed, seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26.
- Eye contact:** Immediately hold eyes open and flood with plenty of clean water. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical advice if irritation persists.
- Skin contact:** Wash affected area with soap and running water. Remove contaminated clothing and launder before re-use.
- Inhalation:** Remove to fresh air and observe until recovered. If effects persist, seek medical advice.
- Advice to Doctor:** Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazard: Combustible liquid (C2) - flash point > 150°C.

Extinguishing media: Use alcohol-resistant foam, dry chemical or carbon dioxide. If not available, use waterfog or fine water spray but ensure all runoff is contained. If containers are ruptured contain all runoff.

Hazards from combustion products: If involved in a fire will emit oxides of carbon and other toxic fumes. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or smoke.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind residents. Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke or vapours generated.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures: In the event of a major spill, prevent spillage from entering drains or water courses. wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC/rubber gloves and goggles.

In the case of spillage, stop leak if safe to do so, and contain spill. Prevent spillage entering drains or watercourses. Contain and absorb spilled material with absorbent material such as sand, clay, cat litter or material such as vermiculite. Collect recoverable product for use as labelled on the product. Vacuum, shovel or pump contaminated spilled material into an approved container and dispose of waste as per the requirements of Local or State Waste Management Authorities. Keep out animals and unprotected persons. Launder protective clothing before storage or re-use.

SECTION 6 ACCIDENTAL RELEASE MEASURES (Continued)

Material and methods for containment and cleanup procedures: To clean spill area, tools and equipment, wash with a solution of soap, water and acetic acid/vinegar. Follow this with a neutralisation step of washing the area with a bleach or caustic soda ash solution. Finally, wash with a strong soap and water solution. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: May irritate the eyes and skin. Avoid contact with eyes and skin. When using or preparing product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC/rubber gloves and goggles. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Conditions for Safe Storage: Classified as a C2 combustible liquid (flash point > 150°C) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements. Not classified as a Dangerous Good. Store in the closed, original container in a dry, cool, well ventilated area away from children, animals, food, feedstuffs.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

No exposure guideline has been established for this product by Safe Work Australia.

Biological Limit Values:

No biological limit allocated.

Engineering controls:

Keep containers closed when not in use. No special engineering controls are required, however make sure that the work environment remains clean.

Personal Protective Equipment (PPE):

General: When using or preparing product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length PVC/rubber gloves and goggles. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Personal Hygiene: May irritate the eyes and skin. Avoid contact with eyes and skin. Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colourless viscous liquid.
Odour:	Low odour.
Boiling point:	No data available.
Freezing point:	No data available.
Specific Gravity:	1.03.
Solubility in Water:	Soluble in water.
pH:	No data available.
Flammability:	Combustible Liquid (C2).
Flashpoint (°C):	> 150°C.
Poisons Schedule:	This product is not a scheduled poison.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

Conditions to avoid: Excessive heat will lead to accelerated oxidative degradation.

SECTION 10 STABILITY AND REACTIVITY (Continued)

Incompatible materials: Reacts with strong oxidising agents.

Hazardous decomposition products: When involved in a fire will emit oxides of carbon and other toxic fumes.

Hazardous reactions: Will not polymerise.

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. No LD₅₀ data is available for this product.

Potential Health Effects:

ACUTE EFFECTS

Swallowed: Direct ingestion of the concentrate may cause irritation the gastrointestinal tract.

Eye: The concentrate may cause irritation.

Skin: Maybe a skin irritant. Prolonged contact with the concentrate will cause defatting of the skin and may result in dermatitis.

Inhaled: Inhalation of high concentrations of mist may produce respiratory irritation.

Long Term Exposure:

Chronic toxicity: No information is available but severe chronic effects are not expected.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicology: Nonyl phenol ethoxylate is moderately toxic to aquatic organisms LC₅₀ (96 hours) = 1.3 - >1,000 mg/L; Bluegill Sunfish LC₅₀ (48 hours) = 2.9 - 12.5 mg/L; Water Flea, (Daphnia magna) LC₅₀ (24 hours) = 44.2 mg/L. No other data is available.

Environmental Fate: Biodegradation of nonylphenol ethoxylates proceeds through the formation of water insoluble intermediates which are more toxic to aquatic biota. Primary degradation of NPE was 98% within 30 days. Substantially biodegradable. DOC 82%. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

SECTION 13 DISPOSAL CONSIDERATIONS

Spills and Disposal: Persons involved in cleanup require adequate skin protection - see Section 8. In case of spillage, contain the spill. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. Dispose of material in compliance with relevant Local, State or Territory government regulations. To decontaminate spill area, tools and equipment, wash with water.

Disposal of empty containers: 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 14**TRANSPORT INFORMATION**

Road & Rail Transport: This product is not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Marine and Air Transport: Product is not classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

SECTION 15**REGULATORY INFORMATION**

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is not a scheduled poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 80492.

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia.

This product is not classified as a Dangerous Good according to the ADG Code (7th Ed).

This product is not classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

Special training: Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

SECTION 16**OTHER INFORMATION**

Issue Date: 27 January 2021. Valid for 5 years till 27 January 2026. (5 year update).

Key to abbreviations and acronyms used in this SDS:

ADG Code Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).

Carcinogen: An agent which is responsible for the formation of a cancer.

Genotoxic: Capable of causing damage to genetic material, such as DNA.

HCIS: Hazardous Chemical Information System.

Lacrimation: The production, secretion, and shedding of tears.

Lavage: A general term referring to cleaning or rinsing.

Mutagen: An agent capable of producing a mutation.

Pneumonitis: A general term that refers to inflammation of lung tissue.

PPE: Personal protective equipment.

Teratogen: An agent capable of causing abnormalities in a developing foetus.

TWA: The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.

Safe Work Australia: Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

References

1. "Hazardous Chemicals Information System". Safe Work Australia HCIS website. (2021).
2. "Classifying Hazardous Substances" Safe Work Australia. August 2018.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2009.

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.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

End SDS