

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Blue Vegetable Marker Dye**

Other Names: Blue marker dye.
Use: A liquid blue coloured marking dye and foam marker colouring agent.
Company: AIRR Apparent Pty Ltd.
Address: 15/16 Princes Street, Newport NSW 2106.
ACN/ABN: 153 573 641.
Phone: 03 5820 8400
Email: enquiries@apparentag.com.au
Emergency Contact: Mobile number 0437 303 689

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.**

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

- Flammable Liquids – Hazard Category 4.
- Acute toxicity – Oral. Hazard Category 4.
- Acute toxicity – Dermal. Hazard Category 3.
- Acute toxicity – Inhalation. Hazard Category 3.
- Reproductive Toxicity: Hazard Category 1.

Signal Word: DANGER.

Hazard statements:

- H227 Combustible Liquid.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- H360 May damage fertility. May damage the unborn child.

Precautionary Statements:

Prevention:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- P261 Avoid breathing mist, vapours or spray.
- P264 Wash hands, arms and face thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- 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.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308 + P313 IF exposed or concerned: Get medical advice/ attention:
- P321 Specific treatment see Safety Directions on the product label.
- P330 Rinse mouth.
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- P370+ P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction.

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

- P403 Store in a well-ventilated space.
P405 Store locked up.

Disposal:

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

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

CHEMICAL	CAS NUMBER	PROPORTION
Acid Dye	-	340 g/L
2-methoxyethanol	109-86-4	> 5%
Wetters	-	10%
Other ingredients including water determined not to be hazardous		Balance

SECTION 4 FIRST AID MEASURES**FIRST AID**

- Ingestion:** If swallowed do NOT induce vomiting. Wash mouth with water and give plenty of water to drink. If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 131 126.
- Eye contact:** If in eyes, immediately hold eyelids open and wash with copious amounts of water until the chemical is removed. Seek medical assistance.
- Skin contact:** Remove contaminated clothing and wash affected areas thoroughly with soap and water. Launder contaminated clothing before re-use. If skin irritation persists, re-wash area and seek medical advice.
- Inhalation:** Remove to fresh air and observe until recovered. If effects develop or persist, seek medical advice.

Advice to Doctor: Treat symptomatically. Can cause corneal burns.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazard: Combustible liquid.

Extinguishing media: Extinguish fire using foam blanket, carbon dioxide or dry agent. If not available, use waterfog or fine water spray but ensure all runoff is contained.

Hazards from combustion products: On burning will emit toxic fumes.

Precautions for fire-fighters and special protective equipment: Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or smoke. Cool intact containers with water to reduce drum pressure. Isolate fire area. Evacuate downwind residents. 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. As a minimum, wear overalls, goggles or face shield and chemical resistant gloves. In the case of spillage, stop leak if safe to do so, and contain spill. Contain spill and sweep up and shovel or collect

SECTION 6 ACCIDENTAL RELEASE MEASURES (Continued)

recoverable material into labelled containers for use, recycling or dispose of waste as per the requirements of Local or State Waste Management Authorities. Keep out animals and unprotected persons.

After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use.

Material and methods for containment and cleanup procedures: To decontaminate spill area, tools and equipment, wash with detergent and water and add the solution to the drums of wastes already collected and label contents.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: WARNING - May cause birth defects. Avoid contact with eyes and skin. Avoid breathing vapour or spray mist. When using or preparing product for use, wear overalls, PVC/rubber gloves, goggles and safety shoes. After use and before eating, drinking or smoking wash hands. Shake container before use.

Conditions for Safe Storage: Keep out of reach of children. Not classified as a Dangerous Good. Store in the closed, original container in a well-ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Exposure guidelines have not been established for this product by Safe Work Australia, however the following guideline is for one of the ingredients in this product.

Atmospheric Contaminant	Exposure Standard (TWA)	STEL (mg/m ³)
2-methoxyethanol	16 mg/m ³ (5 ppm)	-

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 and that vapours are minimised.

Personal Protective Equipment (PPE):

When using or preparing product for use, wear overalls, PVC/rubber gloves, goggles and safety shoes. After use and before eating, drinking or smoking wash hands.

Personal Hygiene: 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. Shower at the end of the workday.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue coloured liquid.
Odour:	No data available.
Boiling point:	Approx 105°C.
Freezing point:	No data available.
Specific Gravity:	No data available.
Solubility in Water:	Soluble.
pH:	No data available.
Flammability:	Combustible liquid.
Flashpoint (°C):	No data available.
Poisons Schedule:	This product is a schedule 7 (S7) 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: Do not store for prolonged periods in direct sunlight.

Incompatible materials: Avoid contact with strong oxidising agents.

Hazardous decomposition products: On burning will emit toxic fumes.

Hazardous reactions: Polymerisation will not occur.

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.

Potential Health Effects:**ACUTE EFFECTS**

Swallowed: Ingestion can result in nausea, vomiting and central nervous system depression. If the victim is uncoordinated there is greater likelihood of vomit entering the lungs and causing subsequent complications.

Eye: This product may cause irritation to the eyes. Corrosive to eyes; contact can cause corneal burns. Contamination of the eyes can result in permanent injury.

Skin: Prolonged contact with this product may be irritating to the skin. Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis. This product will stain the skin which may persist for some time.

Inhaled: Inhalation of mists or sprays may produce respiratory irritation. When this material is used in a poorly ventilated area or at elevated temperatures, in confined spaces, vapours may cause irritation to mucous membranes and respiratory tract, headache and nausea.

Long Term Exposure:

No data is available.

Safe Work Australia has classified 2-methoxyethanol in the occupational environment as a reproduction category 1B substance – which indicates that there is sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility and/or may damage the unborn child.

SECTION 12**ECOLOGICAL INFORMATION**

Environmental Toxicology: No data available.

Environmental Fate: Avoid contaminating waterways.

SECTION 13**DISPOSAL CONSIDERATIONS**

Spills and Disposal: Persons involved in cleanup require adequate skin and eye protection - see Section 8. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

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

SECTION 13 DISPOSAL CONSIDERATIONS (Continued)

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 Goods 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 a schedule 7 poison.

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).

SECTION 16 OTHER INFORMATION

Issue Date: 5 October 2021. Valid for 5 years till 5 October 2026. (First issue).

Key to abbreviations and acronyms used in this MSDS:

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.
Combustible Liquid:	Liquids that ignite with a flash point greater than 60°C.
Flammable Liquid:	Liquids that ignite with a flash point less than 60°C.
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, 2017 (7th Ed).

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.