

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Immerse Floating Herbicide**

Other Names: Dodecyl benzene Sulphonic Acid.
Use: Herbicide for the control of of Salvinia, Water Lettuce and Red Azolla.
Company: Apparent Pty Ltd.
Address: Suite G.08, 762 Toorak Rd, Hawthorn East, Vic. 3123.
PO Box 3092, Cotham PO, Kew, Vic 3101.
ACN/ABN: 143 724 136
Telephone Number: 03 9822 1321
Email: enquiries@apparentag.com.au
Emergency Contact: 0411 227 338

SECTION 2

HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of Safe Work Australia.
Classified as a Dangerous Good according to the ADG Code.**

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

Flammable Liquids – Category 3.
Acute Toxicity – Oral: Category 4.
Aspiration Hazard – Category 1.
Skin Corrosion/Irritation – Category 2.
Eye Damage/Irritation – Category 2B.
Acute Toxicity – Inhalation: Category 4.

Signal Word: DANGER.

Hazard statements:

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H320 Causes eye irritation.
H332 Harmful if inhaled.

Precautionary Statements:

Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces: — No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
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 + P 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if feel unwell.

SECTION 2 HAZARDS IDENTIFICATION (Continued)

Response (Cont):

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P321 Specific treatment (see Safety Directions on the product label).
 P330 Rinse mouth.
 P331 Do NOT induce vomiting.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing and Wash before reuse.
 P370 + P378 In case of fire: Use foam blanket, carbon dioxide or dry agent for extinction.

Storage:

- P403 + P235 Store in a well-ventilated place. Keep cool.
 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
Calcium dodecyl benzene sulphonate	26264-06-2	330 g/L
Hydrocarbon liquid	n/a	600 g/L
N-butanol	71-36-3	5-15%
Other ingredients (including water) determined to be non-hazardous		Balance

SECTION 4

FIRST AID MEASURES

FIRST AID

- Ingestion:** Rinse mouth thoroughly with water. Do not induce vomiting. Give water to rinse mouth and also to drink. Keep patient at rest and seek medical advice.
- Eye contact:** If in eyes immediately hold eyelids open and wash with copious amounts of clean water until chemical is removed. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. If irritation persists, seek medical advice.
- Skin contact:** Immediately wash skin with soap and water to remove chemical. Remove contaminated clothing and launder before re-use. If skin is irritated, seek medical advice.
- Inhalation:** Remove patient to fresh air. Seek medical advice if symptoms persist.

Advice to Doctor: Treat symptomatically.

SECTION 5**FIRE FIGHTING MEASURES**

Specific Hazard: Flammable liquid. Flash point 35°C. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.

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: Toxic gases (hydrocarbons, carbon oxides) may be evolved. Remain upwind and notify those downwind of hazard. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk to exposure to vapour or smoke.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate area and contact emergency services Evacuate downwind residents. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or vapours generated. Use waterfog to cool intact containers and nearby storage areas.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Emergency procedures: In the case of spillage, stop leak if safe to do so, and contain spill. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, pilot lights, heaters, naked lights, mobile phones etc. Wear protective equipment to prevent skin/eye contamination. In the case of spillage, contain and absorb spilled material with absorbent material such as sand, clay, cat litter or material such as vermiculite and dispose of waste as per the requirements of Local or State Waste Management Authorities. Keep out animals and unprotected persons.

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. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

SECTION 7**HANDLING AND STORAGE**

Precautions for Safe Handling: May irritate eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. If product on skin, immediately wash area with soap and water. If in eyes, wash it out immediately. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Conditions for Safe Storage: Store in cool, dry, well ventilated area, removed from direct sunlight, heat and ignition sources, fertilizers, moisture, seeds, acids, oxidising agents, alkalis, and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate fire protection and ventilation systems. This product is classified as a flammable liquid (Class 3) and must be stored and transported according to Dangerous Goods legislation for UN 1993.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:**

Exposure guidelines have not been established for this product by Safe Work Australia, however an ingredient, N-Butanol has the following exposure guideline.

Atmospheric Contaminant	Exposure Standard (TWA)	STEL (mg/m ³)
N-Butanol	153 mg/m ³ (50 ppm) Peak limitation	-

TWA = Time-weight Average STEL = Short term Exposure Limit

Biological Limit Values:

No biological limit allocated.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

Engineering controls:

Use in ventilated areas adequate to keep exposure below the TWA. Keep containers closed when not in use.

Personal Protective Equipment (PPE):

General: Although no specific personal protective equipment is required it is good occupational practice to wear suitable personal protective equipment such as overalls and chemical resistant gloves. Avoid contact with eyes and skin.

Hygiene Measures: May irritate eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. If product on skin, immediately wash area with soap and water. If in eyes, wash it out immediately. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. 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:	Liquid.
Odour:	Pungent odour.
Boiling point:	> 100°C.
Freezing point:	No data available.
Specific Gravity:	Approximately 0.9.
Solubility in Water:	Emulsifies.
pH:	No data available.
Flammability:	Flammable.
Corrosive hazard:	Not corrosive.
Flashpoint (°C):	35°C.
Poisons Schedule:	This product is a Schedule 5 (S5) poison.
Formulation Type:	Liquid Concentrate (LC).

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. Avoid heat, sparks, open flames and other ignition sources

Incompatible materials: Incompatible with oxidising agents (eg. hypochlorites, peroxides), acids (eg. nitric acid), alkalis (eg. hydroxides), heat and ignition sources.

Hazardous decomposition products: May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition. May also evolve calcium oxide and sulphur dioxide when heated to decomposition.

Hazardous reactions: No special considerations. Hazardous polymerisation is not possible.

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: Moderate toxicity. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, fatigue, dizziness and unconsciousness. Aspiration may result in chemical pneumonitis and pulmonary oedema

SECTION 11 TOXICOLOGICAL INFORMATION (Continued)**ACUTE EFFECTS (Cont):**

Eye: Irritant. Contact may result in irritation, lacrimation, pain and redness

Skin: Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis. May be absorbed through skin with toxic effects

Inhaled: Irritant. Over exposure may result in mucous membrane irritation, coughing, dizziness and headache. At high levels; nausea, loss of appetite, weakness, and drowsiness.

Long Term Exposure:

Chronic exposure to organic solvents may cause liver, kidney and nerve damage.

SECTION 12 ECOLOGICAL INFORMATION

Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment

SECTION 13 DISPOSAL CONSIDERATIONS

Spills and Disposal: Persons involved in cleanup require adequate skin protection - see Section 8. In case of spillage, contain and absorb spilled material with absorbent material such as clay, sand or cat litter and dispose of waste as per the requirements of Local or State Waste Management Authorities. Keep out animals and unprotected persons. Keep material out of streams and sewers.

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.

Do not cut or saw empty containers, as there is the possibility that fumes inside the container maybe ignited and cause the container to explode.

SECTION 14 TRANSPORT INFORMATION

Transport: This product is classified as a Dangerous Good with the following Dangerous Goods Classification:-

UN 1993, Class 3 (flammable), Packing Group III, Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (Contains BUTANOL). Hazchem code •3Y. Hazard Identification Number (HIN) 30. Australian Standards Initial Emergency Response Guide No. 14.

SECTION 15 REGULATORY INFORMATION

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is a Schedule 5 poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 58096.

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

This product is classified as a Dangerous Good according to the ADG Code and the International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

Requirements concerning 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: 11 May 2016. Valid for 5 years till 11 May 2021. (First issue).

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).
- Anorexia: Lack or loss of appetite for food
- Carcinogen: An agent which is responsible for the formation of a cancer.
- Genotoxic: Capable of causing damage to genetic material, such as DNA.
- Hyperglycaemia: An excess of glucose in the bloodstream.
- Mutagenic: Capable of inducing a genetic mutation in an organism.
- LD₅₀: Median Lethal Dose. A statistically derived single dose of a substance that can be expected to cause death in 50% of dosed animals.
- 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. "Search Hazardous Substances". Safe Work Australia website. (2016).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.
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