

# SAFETY DATA SHEET

## SECTION 1

## IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Buffer 700 Surfactant**

**Other Names:** Buffer 700.  
**Use:** Acidifying and penetrating surfactant.  
**Company:** Apparent Pty Ltd.  
**Address:** Suite G.08 762 Toorak Road, 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](mailto: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.**

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

Skin Corrosion/Irritation – Category 1A to 1C.  
Eye Damage/Irritation – Category 1.

**Signal Word:** DANGER.

**Hazard statements:**

H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.

**Precautionary Statements:**

*Prevention:*

P260 Do not breathe mist, vapours or spray.  
P264 Wash hands, arms and face thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

*Response:*

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.  
Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
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 CENTER or doctor/physician.  
P321 Specific treatment (see Safety Directions on the product label).  
P363 Wash contaminated clothing before reuse.

*Storage & Disposal:*

P405 Store locked up.  
P501 Dispose of contents/container in accordance with national regulations.

**Pictogram:**



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

<b>CHEMICAL</b>	<b>CAS NUMBER</b>	<b>PROPORTION</b>
Soyal phospholipids	8002-43-5	350 g/L
Propionic acid	79-09-4	350 g/L
Surfactant	-	10-330%
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. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
- 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 immediately.
- Skin contact:** Wash affected areas thoroughly with soap and 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. If vomiting has occurred, vomitus may have been aspirated into the lungs which may result in lung damage.

**SECTION 5****FIRE FIGHTING MEASURES**

- Specific Hazard:** Generally considered a low flammable risk, however upon evaporation of water the product is combustible. No risk of explosion if involved in a fire.
- Extinguishing media:** Extinguish fire using media suited to burning material. If containers are ruptured contain all runoff.
- Hazards from combustion products:** If involved in a fire, the dehydrated components may emit oxides of carbon, oxides of nitrogen and minor quantities of phosphorous oxides. 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. 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 and gloves. In the case of spillage, stop leak if safe to do so, and contain spill. Absorb spilled material with absorbent material such as sand, clay or cat litter and dispose of waste as per the requirements of Local or State Waste Management Authorities. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Launder protective clothing before storage or re-use.
- Material and methods for containment and cleanup procedures:** To clean spill area, tools and equipment, wash with a solution of soap and water. 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:** Avoid contact with eyes and skin. Wash hands after use.
- Conditions for Safe Storage:** Store in the closed, original container in a dry, cool, well ventilated area away from children, animals, food, feedstuffs. Not classified as a Dangerous Good.

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

Exposure guidelines have been established for Propionic acid, one of the ingredients in this product, by Safe Work Australia.

Atmospheric Contaminant	Exposure Standard (TWA)	STEL (mg/m <sup>3</sup> )
Propionic acid	30 mg/m <sup>3</sup> (10 ppm)	Not set

TWA = Time-weight Average

**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: 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. Wash hands after use.

Personal Hygiene: 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**

<b>Appearance:</b>	Dark brown liquid.
<b>Odour:</b>	pungent, vinegar-like odour.
<b>Boiling point:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Specific Gravity:</b>	1.02.
<b>Solubility in Water:</b>	Emulsifies in water.
<b>pH:</b>	Approximately 5.5.
<b>Flammability:</b>	Not flammable.
<b>Flashpoint (°C):</b>	Not flammable.
<b>Poisons Schedule:</b>	This product is a Schedule 5 (S5) 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:** Keep containers dry.

**Incompatible materials:** Avoid contact with alkaline material.

**Hazardous decomposition products:** When involved in a fire, the dehydrated components may emit oxides of carbon, oxides of nitrogen and minor quantities of phosphorous oxides.

**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.

**Potential Health Effects:****ACUTE EFFECTS**

**Swallowed:** Direct ingestion of the concentrate may cause irritation and/or burns to the mucous membranes (nose, throat and lungs). Low acute toxicity. Acute Oral LD<sub>50</sub> > 5000 mg/kg.

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**SECTION 11 TOXICOLOGICAL INFORMATION (Continued)**

- Eye:** The concentrate will cause irritation and damage to the eye unless washed out immediately.
- Skin:** This product is a severe skin irritant. Low acute toxicity. Acute dermal LD<sub>50</sub> > 5,000 mg/kg. Product is not a skin sensitiser.
- Inhaled:** Inhalation of vapours or mist will result in irritation of the mucous membranes. Symptoms may include nasal irritation, sore throat, coughing, hoarseness and in extreme exposures breathing difficulties.

**Long Term Exposure:**

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

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**SECTION 12 ECOLOGICAL INFORMATION**

**Environmental Toxicology:** The following information is for Propionic acid, one of the active ingredients in this product. The data indicates low to moderate aquatic toxicity.

LC<sub>50</sub> (96 hr) Bluegill Sunfish = 210 mg/L.

LC<sub>50</sub> (96 hr) rainbow trout = 130 mg/L.

LC<sub>50</sub> (48 hr) Daphnia magna = 170 mg/L.

**Environmental Fate:** No information available. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

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**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.

**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.

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**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).

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**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. 67214.

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

This product is not classified as a Dangerous Good according to the ADG Code (7<sup>th</sup> 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: 9 June 2016. Valid for 5 years till 9 June 2021. (Revised to GHS).

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.
- HSIS: Hazardous Substances 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.
- NOHSC: National Occupational Health and Safety Commission.
- 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. "Search Hazardous Substances". Australian Safety and Compensation Council 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