



PRODUCT SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name: Finish All in 1 Powerball Tabs

Formula Number: #0347380
#0347381

Recommended use Detergent for use in domestic automatic dishwashers

Variant Name: Fresh
Lemon

Supplier: AUSTRALIA
Reckitt Benckiser (Australia) Pty Limited
44 Wharf Road, West Ryde NSW 2114
TEL: (02) 1800 022 046

NEW ZEALAND
Reckitt Benckiser (New Zealand) Limited
Lincoln Manor
289 Lincoln Road
Henderson, Auckland 0610
TEL: (09) 0800 40 30 30

Manufacturer: Reckitt Benckiser Produktions GmbH
Dr. Albert-Reimann-Straße 3
D-68526 Ladenburg

Emergency Telephone Number: After Hours (5 pm to 8 am EST Australia): +61 (02) 9857 2444

POISONS CENTRE INFORMATION Australia - 13 11 26
New Zealand - 0800 764 766 or 0800 POISON

Australian Business Number (ABN): 17 003 274 655

2. HAZARDS IDENTIFICATION

**Hazardous Substance According to Criteria of NOHSC Australia
Not classified as dangerous goods according to the ADG Code.**

R -phrase(s) R36 - Irritating to eyes

S -phrase(s) S 2 - Keep out of the reach of children
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S46 - If swallowed, seek medical advice immediately and show this container or label
S35 - This material and its container must be disposed of in a safe way

Properties Affecting Health: Contains SUBTILISIN May cause sensitization by inhalation of dust.

Environmental Properties: This product is not classified as an environmental hazards.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Proportion (% w/w)
Sodium tripolyphosphate	7758-29-4	30 - 60 %
Sodium carbonate	497-19-8	10 - 30 %
Sodium percarbonate	15630-89-4	< 10 %
Alcohols, C12-18, ethoxylated propoxylated	69227-21-0	< 1 %
Protease	9014-01-1	< 0.1 %
Alpha Amylase	9000-90-2	< 0.1 %

Other ingredients:

The other ingredients to 100%w/w are classified as not hazardous according to NOHSC (Australia)

4. FIRST AID MEASURES

General Advice	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor. Show this safety data sheet to the doctor in attendance
Skin Contact	Wash off immediately with plenty of water.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Rinse mouth. Do not induce vomiting. Drink plenty of water. Consult a physician.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flash point:	See section 9
Suitable Extinguishing Media:	The product is not flammable. All extinguishing media can be used.
Precautions for fire-fighting	Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with the skin and the eyes. Use personal protective equipment. Ensure adequate ventilation.
Environmental Precautions:	Prevent product from entering drains. Do not flush with water.
Methods for Cleaning up:	Mop up spill and wash area with detergent and water. Keep in suitable and closed containers for disposal Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

7. HANDLING AND STORAGE

Handling:	Wear personal protective equipment. Ensure adequate ventilation.
Storage:	Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place Keep at temperatures below 40 °C / 104 °F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: Exposure Standards have been set for the following ingredients:

Chemical Name	Australian Workplace Exposure Standards	New Zealand Workplace Exposure Standards
Protease 9014-01-1		Ceiling: 0.00006 mg/m ³

Biological Limit Values No biological limit values allocated.

Engineering Controls: Ensure adequate ventilation. Maintain air concentrations below exposure standards. In case of insufficient ventilation, wear suitable respiratory equipment.

Eye Protection: Safety glasses with side-shields.

Hand Protection: Protective gloves Permeation level 6, Penetration level 3 following EN374, taking into consideration the exposure of chemicals given in chapter 3.

Eye/Face Protection: Tightly fitting safety goggles

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid.

Appearance: Two layer tablet (white and blue) with red pill

Odour: perfumed, typical to meet the Tradename descriptor

pH 10.3 ± 0.2 (10 %)

Interpretation of reserve not irritant
not corrosive

Boiling Point/Range: No information available

Specific Gravity / Density [g/mL]: 17 - 23 g/ tabs

Flash Point:

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid:	Strong sunlight for prolonged periods. Avoid temperatures above 40 °C / 104 °F If product shipped over very long distance in bulk, temperature control at 30°C should be applied.
Hazardous Decomposition Products:	Oxides of carbon and unknown organic compounds.
Polymerization:	No information available.

11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

LD₅₀ Oral: >2000 mg/kg (rat) estimated estimated

LD₅₀ Dermal: >2000 mg/kg (rat) estimated

LC₅₀ Inhalation (Dust): >5 mg/L estimated (dust) mg/m³

LC₅₀ Inhalation (Vapor): >20mg/L (vapor) estimated ml/m³

ACUTE EFFECTS

Eye Irritation: Irritating to eyes.

Skin Irritation None expected during normal conditions of use.

Inhalation None expected during normal conditions of use.
Contains enzymes, avoid breathing airborne dust.

Ingestion: Due to the alkalinity of this product, damage to the gastrointestinal tract may be expected.
Percarbonate may release oxygen and cause stomach discomfort.

Sensitization Not expected to be a skin sensitiser.

CHRONIC EFFECTS No information available.

SPECIFIC EFFECTS

Carcinogenic Effects: Not listed as carcinogenic by OSHA, NTP or IARC.

Mutagenic Effects No information available.

Reproductive Toxicity: No information available.

Additional Toxicity Information: Information is based on available component data.

COMPONENT TOXICITY DATA

Chemical Name	CAS-No	LD50 Oral - with units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Sodium tripolyphosphate	7758-29-4	3100 mg/kg (Rat)	7940 mg/kg	
Sodium carbonate	497-19-8	4090 mg/kg (Rat)		
Sodium percarbonate	15630-89-4	1034 mg/kg (Rat)		
Alcohols, C12-18, ethoxylated propoxylated	69227-21-0	> 2000 mg/kg (Rat)		
Protease	9014-01-1	3700 mg/kg (Rat)		
Alpha Amylase	9000-90-2	7500 mg/kg (Rat)		

12. ECOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

The ecotoxicity of this product has not been determined. However, the following component information is available.

COMPONENT TOXICITY DATA

Sodium carbonate - 497-19-8

Freshwater Algae	EC50 = 242 mg/L 120 h
Freshwater Fish	LC50 = 300 mg/L <i>Lepomis macrochirus</i> 96 h
Water Flea	EC50 = 265 mg/L 48 h

Sodium percarbonate - 15630-89-4

Freshwater Algae	EC50 240 h 70 mg/L
Freshwater Fish	LC50 96 h <i>Pimephales promelas</i> 70.7 mg/L
Water Flea	EC50 48 h 4.9 mg/L

Alcohols, C12-18, ethoxylated propoxylated - 69227-21-0

Freshwater Algae	EC50 (72h): 1-10 mg/L
Freshwater Fish	LC50 (96h): 10-100 mg/L
Water Flea	EC50 (48h): 1-10 mg/L

SUMMARY OF PRODUCT ECOTOXICITY DATA

Ecotoxicity: The preparation is non-dangerous in accordance with Directive 1999/45/EC

Additional Ecological Information: Contained surfactants are ultimately biodegradable according to the EU Detergent Regulation, 648/2004.

13. DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	Bulk quantities of product must be disposed of according to Local, State and Federal regulations.
Special Precautions for Landfill or Incineration:	No information available

14. TRANSPORT INFORMATION

General remarks

Not classified as dangerous in the meaning of transport regulations. For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

IATA

Not regulated

IMDG/IMO

Not regulated

ADG (Australian Road and Rail)

Not regulated

15. REGULATORY INFORMATION

The preparation is classified as dangerous in accordance with Directive 1999/45/EC

Labelling

May produce an allergic reaction.

Contains Subtilisin .

Symbol(s)

Xi - Irritant



R -phrase(s)

R36 - Irritating to eyes

S -phrase(s)

S 2 - Keep out of the reach of children
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 S46 - If swallowed, seek medical advice immediately and show this container or label
 S35 - This material and its container must be disposed of in a safe way

Regulatory Status

Poisons Schedule No. (SUSMP) Australia: Not scheduled

AICS Complies

New Zealand This product has been approved under HSNO covered by Cleaning Products (Subsidiary Hazards) Group Standard 2006 HSR002530

Approved Handler Not required.

Tracking Not required.

16. OTHER INFORMATION

Key: ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS = Australian Inventory of Chemical Substances
EC50 = median effective concentration
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
IMO = International Maritime Organization
LC50 = concentration required to kill 50% of test organisms.
LD50 = dose required to kill 50% of test organisms.
NOHSC = National Occupational Health and Safety Commission (Australia)

Reason for revision: Change of formulation.

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This MSDS has been prepared according to the National Code of Practice for the Preparation of Safety Data Sheets 2nd Edition [NOHSC:2011(2003)].

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End of Safety Data Sheet