

Document Code: 31204 - SD AU**Version:** 9.0**Description:** FINISH POWERBALL TABLETS**Status:** Published**Revision Reason:** Add new FG code (6s)**Issue Date:** 31 Jul 2009

PSDS

PSDS

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1. PRODUCT and COMPANY IDENTIFICATION

Product Name **Finish Powerball Tablets****Other Names** Finish Classic Tablets**Product Code(s)** 0242346 Lemon 15's GHPL
0154895 Lemon 15's
0154896 Lemon 30's
0154897 Regular 60's**Recommended Use** Automatic Dishwashing Detergent Tablet (Domestic Use)**Supplier****AUSTRALIA****COMPANY:** Reckitt Benckiser (Australia) Pty Limited
ABN: 17 003 274 655
ADDRESS: 44 Wharf Road
West Ryde NSW 2114
TELEPHONE: (02) 9857 2000**AFTER HOURS EMERGENCY TELEPHONE**
(5pm to 8am EST Australia): (02) 9857 2444**NEW ZEALAND****COMPANY:** Reckitt Benckiser (New Zealand) Limited
ADDRESS: Lincoln Manor
289 Lincoln Road
Henderson Auckland 1231
TELEPHONE: (09) 839 0200**Poisons Centre Information****AUSTRALIA** 13 1126
NEW ZEALAND 0800 764 766 or 0800 POISON

2. HAZARD(S) IDENTIFICATION

HAZARDOUS ACCORDING TO NOHSC CRITERIA NON-DANGEROUS GOODS ACCORDING TO ADG CODE (See Section 14)

RISK PHRASE(S) R41 Risk of serious damage to eyes.
(See Section 15)

ENVIRONMENTAL RISK PHRASE None

SAFETY PHRASE(S) S2 Keep out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.
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.

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
Sodium silicate	1344-09-8	<10
Cellulose	9004-34-6	<10
Citric acid	77-92-9	<10
Alcohol C12-18, EO/PO	69227-21-0	<1
Protease enzyme ¹	9014-01-1	<1
Amylase enzyme	9000-90-2	<1
Fragrance ²	mixture	<1
Other ingredients classified as not hazardous according to NOHSC		to 100

¹May produce an allergic reaction.

²Lemon : Contains Limonene, Citral.
Regular : Contains Limonene.

4. FIRST AID MEASURES

Eye Contact	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poison Information Centre or a doctor, or for at least 15 minutes.
Skin Contact	Wash off skin with water. If irritation occurs and persists contact a doctor.
Inhalation	Remove to fresh air. If breathing difficulties are experienced, contact a doctor.
Ingestion	Do not induce vomiting. Give 2 glasses of water to drink. Contact a doctor or a Poisons Centre Information.
Advice to Doctor:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific Dangers	Not Combustible. Inorganic oxidants release oxygen upon heating and may contribute to the combustion process.
Flammability	Not flammable.
Extinguisher Type	Water, foam, carbon dioxide, dry chemical.
Hazchem code	None allocated

6. ACCIDENTAL RELEASE MEASURES

Emergency and Evacuation Procedures	Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of dust.
Minor Spills	Scoop up spill and wash area with water.
Major Spills	Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal. Dispose accordingly to the local obligations. Remaining residues could be rinsed using plenty of water.

7. HANDLING AND STORAGE

Handling	No special requirements. Avoid generation of dusts.
Storage	Store in a cool dry area out of direct sunlight. Protect against frost, moisture, temperatures above 40 °C and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards - Australia

Exposure Standards⁽¹⁾ have been set for the following ingredients:

Ingredient	CAS No. ^(a)	TWA		STEL		Carcinogen Category	Notices
		ppm ^(b)	mg/m ^{3(c)}	ppm ^(b)	mg/m ^{3(c)}		
Proteolytic enzymes (protease)	9014-01-1	-	0.00006	-	Peak limitation	-	Sen
	9004-34-6	-	10				
Cellulose							

Exposure Standards - New Zealand

Exposure Standards⁽²⁾ have been set for the following ingredients:

Ingredient	CAS No. ^(a)	TWA		STEL	
		ppm ^(b)	mg/m ^{3(c)}	ppm ^(b)	mg/m ^{3(c)}
Subtilisins (Proteolytic enzymes, as 100% pure crystalline	1395-21-7;9014-01-1	Ceiling	0.00006		

enzyme) (sen) - - 10^(d) - -
9004-34-6
Cellulose

TWA = Time Weighted Average
STEL= Short Term Exposure Limit

⁽¹⁾ Worksafe Australia Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003 1995]

⁽³⁾ Workplace Exposure Standards endorsed by the Occupational Safety and Health Service (OSH) of the Department of Labour;
Revised: January 2002

^(a) CAS #, Chemical Abstracts Service Registry. A unique numbering identifier is assigned to each individual chemical.

^(b) Parts of vapour or gas per million of contaminated air by volume at 25°C and 760 torr.

^(c) Milligrams of substance per cubic metre of air.

⁽²⁾ Chlorine is a decomposition product from hypochlorite only after strong acidification. Under normal conditions minimal hazardous decomposition products are released.

Ceiling = (WES - Ceiling) = A concentration that should not be exceeded during any part of the working day.

^(d) The value is for inspirable dust containing no asbestos and less than 1% free silica. (See appendix 1- WES NZ(2)).

sen=Sensitiser

Engineering Controls	Ensure adequate ventilation. Maintain air concentrations below exposure standards. Ensure dust levels are adequately controlled. Use extraction ventilation where required, if dusts are generated. If ventilation is insufficient, wear a respirator fitted with an organic vapour cartridge.
Personal Protection	When handling bulk quantities, wear suitable gloves, safety glasses and protective clothing. If ventilation is insufficient, a suitable respirator should be worn.
Work/Hygienic Practices	Wash thoroughly with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Tablet
Colour	White and blue layers with a red ball
Melting Point	Not determined
Vapour Pressure	Negligible
Flashpoint	Not flammable
Solubility in Water	250 g/L @20°C (turbid liquid)
pH	10.5 (10 % solution)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions. Store below 40°C. If product shipped over very long distances in bulk, temperature control at 30°C should be applied.
Dangerous Reactions	Avoid water, acids and metals such as iron. Product will react with acids to produce heat and carbon dioxide. Product upon heating will release carbon dioxide, water vapour and

oxygen which may assist in the combustion of other materials.

Conditions to Avoid	Temperatures in excess of 40 °C for long period of time. The product itself should not exceed a temperature of 40 °C. Avoid humidity and moisture. Avoid direct sunlight.
Incompatible Materials	Product develops heat and releases CO ₂ if in contact with acids.
Decomposition Products	Products may include oxides of carbon, phosphorous and silicon, oxygen & water vapour.

11. TOXICOLOGICAL INFORMATION

Product Toxicity	The toxicity of this product has not been determined.
Component Toxicity	The hazard identifications in Section 2 were derived from the known effects of the individual ingredients and their concentrations in the product.
Summary of Product Toxicity Effects	
Acute Effect(s)	
Eye	Will cause severe irritation to the eye. Risk of serious eye damage.
Skin	May cause irritation to the skin with prolonged/repeated contact.
Inhaled	Dusts would cause irritation effects to the respiratory tract. Contains Protease. May produce an allergic reaction by inhalation of uncoated enzymatic matter.
Swallowed	Due to the alkalinity of this product damage to the gastrointestinal tract may be expected. Percarbonate may release oxygen and cause stomach discomfort.
Chronic Effect(s)	The chronic toxicity of this product has not been determined. If this product was in a dust / powder form, exposure to the respiratory tract would have irritant effects. However, as the product is a tablet, respiratory irritation is unlikely to occur.

12. ECOLOGICAL INFORMATION

Product Ecotoxicity	The ecotoxicity of this product has not been determined.
Component Ecotoxicity	Danger to aquatic life is possible due to a change to a high pH from this product. Surfactants in this product comply with a bigedgradability / elimination rate of at least 90%.

13. DISPOSAL CONSIDERATIONS

Disposal Method	Product should be treated according to the instructions given under sections 6,7 and 8 above. Dispose of according to Local, State and Federal regulations. Contact relevant authority for details.
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14. TRANSPORT INFORMATION

Road Transport Regulations (ADG 6 Aust.)	
UN number:	None allocated

Proper shipping name: None allocated
DG class: Not a DG
Subsidiary risk: None allocated
Packing group: None allocated
Hazchem code: None allocated

Maritime Transport Regulations (IMDG)

UN number: None allocated
Proper shipping name: None allocated
DG class: Not a DG
Subsidiary risk: None allocated
Packing group: None allocated
Marine Pollutant: Not a Marine Pollutant

Air Transport Regulations (IATA)

UN number: None allocated
Proper shipping name: None allocated
DG class: Not a DG
Subsidiary risk: None allocated
Packing group: None allocated

15. REGULATORY INFORMATION

AUSTRALIA

Regulatory Status Not applicable.

Hazardous Substances Regulation Hazardous

Risk Phrase(s) R41 Risk of serious damage to eyes.

Environmental Risk Phrase None

Safety Phrase(s) S2 Keep out of reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.
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.

SUSDP Not scheduled

NEW ZEALAND

Regulatory Status This product has been approved under HSNO covered by Cleaning Products (Subsidiary Hazard) Group Standard 2006 HSR002530.

Approved Handler Not required

Tracking Not required

16. OTHER INFORMATION

CONTACT POINT

AUSTRALIA and NEW ZEALAND

Regulatory, Safety & Environmental Services

From outside Australia Ph: (61) (2) 9857 2000
From within Australia Ph: (02) 9857 2000

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KEY/LEGEND

ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail

DG = Dangerous Goods

HSNO = Hazardous Substances and New Organisms Act 1996 (New Zealand)

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

NOHSC = National Occupational Health and Safety Commission (Australia)

SUSDP = Standard for the Uniform Scheduling of Drugs and Poisons (Australia)

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