PRODUCT SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name **Finish PowerPowder**

Recommended / Intended Use: Detergent for use in domestic automatic dishwashers

Variants:
Regular
Lemon
Orange

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 Korea.
650 Sukam-dong
Iksan Junbuk
Korea, 570-330
Tel: 82 63 830 6500

Emergency Telephone Number:
(02) 9857 2000 (8 am to 5 pm EST Australia)
(02) 9857 2444 (5 pm to 8 am EST Australia)

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

MSDS Number 31154 - SD AU

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
S46 - If swallowed, seek medical advice immediately and show this container or label

Safety Combination Phrases S24/25 - Avoid contact with skin and eyes

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Proportion (% w/w)
Sodium carbonate	497-19-8	30 - 60 %
Sodiumtripolyphosphate	7758-29-4	15 - 30 %
Disodium sulfate	7757-82-6	15 - 30 %
Sodium percarbonate	15630-89-4	1 - 5 %
Sodium Silicate, molar ratio >1.6 - </= 2.6	1344-09-8	1 - 5 %
Alcohols, C12-18, ethoxylated propoxylated	69227-21-0	< 1 %
1,2,3-Benzotriazole	95-14-7	< 1 %
d-Limonene	5989-27-5	< 0.1 %
Subtilisin	9014-01-1	< 0.1 %
Alpha Amylase	9000-90-2	< 0.1 %

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

4. FIRST AID MEASURES

General Advice **Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. in case of contact with eyes..**

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.

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.
Prevent product from entering drains.
Do not flush into surface water.

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
Subtilisin 9014-01-1		Ceiling: 0.00006 mg/m³

TWA - The Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health or, not cause undue discomfort to, nearly all workers.
STEL (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health or, not cause undue discomfort to, nearly all workers

Biological Limit Values No biological limit values allocated.

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

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:	Powder
Colour:	Blue
	White
Odour:	perfumed, typical to meet the Tradename descriptor
pH	(10%) 11.2
Interpretation of reserve	not irritant, not corrosive
Boiling Point/Range:	No information available
Solubility:	300 g/L @ 20°C / 68°F
Specific Gravity / Density [g/mL]:	1.1 - 1.2 (untapped)
Flash Point:	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid:	Strong sunlight for prolonged periods.
Materials to Avoid:	Keep away from acids.
Hazardous Decomposition Products:	Oxides of carbon and unknown organic compounds.
Polymerization:	No information available.

11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

LD_{50} Oral: 3611 mg/kg (rat) estimated

LD_{50} Dermal: >2000 mg/kg (rat) estimated
LC_{50} Inhalation (Dust): > 5 mg/L estimated (dust) mg/m^3
LC_{50} Inhalation (Vapor): > 20mg/L (vapor) estimated ml/m^3

Acute Effects:

Eye Irritation: Irritating to eyes.

Skin Irritation None expected during normal conditions of use.

Inhalation None expected during normal conditions of use.

Ingestion: Health injuries are not known or expected under normal use.

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 carbonate	497-19-8	4090 mg/kg (Rat)		
Sodiumtripolyphosphate	7758-29-4	3100 mg/kg (Rat)	7940 mg/kg	
Disodium sulfate	7757-82-6	10000 mg/kg (Rat)		
Sodium percarbonate	15630-89-4	1034 mg/kg (Rat)		
Sodium Silicate, molar ratio >1.6 - </= 2.6	1344-09-8	1153 mg/kg (Rat)	4640 mg/kg (Rabbit)	
Alcohols, C12-18, ethoxylated propoxylated	69227-21-0	> 2000 mg/kg (Rat)		
1,2,3-Benzotriazole	95-14-7	560 mg/kg (Rat)	1 g/kg (Rat)	
d-Limonene	5989-27-5	4400 mg/kg (Rat)	2000 mg/kg (Rabbit)	
Subtilisin	9014-01-1	3700 mg/kg (Rat)		
Alpha Amylase	9000-90-2	7500.001 mg/kg (Rat)		

12. ECOLOGICAL INFORMATION

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

COMPONENT ECOTOXICITY DATA
The following component ecotoxicity data was considered to determine the overall ecotoxicity of this product.

Sodium carbonate - 497-19-8

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

Disodium sulfate - 7757-82-6

Freshwater Fish	LC50 = 13 mg/L Lepomis macrochirus 96 h
Water Flea	EC50 = 2564 mg/L 48 h EC50 = 4547 mg/L 96 h

Sodium Silicate, molar ratio >1.6 - </= 2.6 - 1344-09-8

Freshwater Fish	LC50 = 3185 mg/L Brachydanio rerio 96 h

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

d-Limonene - 5989-27-5

Freshwater Fish	LC50 = 0.702 mg/L Pimephales promelas 96 h

SUMMARY OF PRODUCT ECOTOXICITY DATA

Ecotoxicity:	The preparation is non-dangerous in accordance with Directive 1999/45/EC
Biodegradability and Persistence:	Any contained surfactants are ultimately biodegradable according to the EU Detergent Regulation, 648/2004.
Mobility:	No information available

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

Labelling

Symbol(s) **Xi - Irritant**

R -phrase(s)	R36 - Irritating to eyes
Safety Combination Phrases	S24/25 - Avoid contact with skin and eyes
S -phrase(s)	S 2 - Keep out of the reach of children S46 - If swallowed, seek medical advice immediately and show this container or label
Regulatory Status	
Australia	Not applicable.
Poisons Schedule No. (SUSDP) Australia:	Not scheduled
AICS	Complies
New Zealand	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

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: Update formula & product codes.

Validation/Revision Date 15-Feb-2012

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