

SAFETY DATA SHEET

Finish Powerball Classic Tabs



HEALTH • HYGIENE • HOME

1. Identification of the material and supplier

Names

Product name : Finish Powerball Classic Tabs
SDS no. : D8155943
Formulation # : #8210044, #8210045, #8171074, #8171076

Supplier

: **AUSTRALIA** - Reckitt Benckiser (Australia) Pty Limited
 ABN: 17 003 274 655
 44 Wharf Road, West Ryde NSW 2114 - Tel: +61 (0)2 9857 2000

: **NEW ZEALAND** - Reckitt Benckiser (New Zealand) Limited
 2 Fred Thomas Drive, Takapuna, Auckland, New Zealand 0622
 Tel: +64 9 484 1400

Manufacturer

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

Reckitt Benckiser Production (Poland) Sp z o.o.
 uL Okunin 1, 05-100 Nowy Dwor,
 Mazowiecki, Poland. Tel.+48 22 775 2051

Emergency telephone number : (5 pm - 8 am EST Australia): +61 (02) 9857 2444
 NewZealand: (09) 484 1400

Poison Information contact: : Australia - 13 11 26
 New Zealand - 0800 764 766 or 0800 POISON

Material uses : Detergent for use in domestic automatic dishwashers

Product use : Consumer

2. Hazards identification

Statement of hazardous/ dangerous nature : HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Classification : Xi; R41

Risk phrases : R41- Risk of serious damage to eyes.

Safety phrases : S2- Keep out of the 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.

Hazard symbol or symbols :



Indication of danger : Irritant

Additional information : Short term Skin Bleaching agent. IF ON SKIN: Rinse skin with water.

3. Composition/information on ingredients

Mixture : Yes.

Ingredient name	CAS number	Proportion % w/w
sodium carbonate	497-19-8	30 - 60
disodium carbonate, compound with hydrogen peroxide (2:3)	15630-89-4	10 - < 30

Date of issue : 15/09/2015.

Page: 1/8

D8155943

3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First-aid measures

<u>First-aid measures</u>	
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eye contact	: Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Advice to doctor	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. Fire-fighting measures

<u>Extinguishing media</u>	
Suitable	: Use an extinguishing agent suitable for the surrounding fire.
Not suitable	: None known.
Special exposure hazards	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. No specific fire or explosion hazard.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

D8155943

6. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up**
- Small spill** : Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. For long distance transport in bulk, temperature control at 30°C should be applied.
- Do not store above the following temperature** : 40 °C
- Recommended Storage Temperature for 3 weeks** : <40 °C
- Recommended Storage Temperature for up to 6 weeks** : <30 °C
- Recommended Storage Temperature for over 6 weeks** : <30 °C

8. Exposure controls/personal protection

Australia

Occupational exposure limits : No exposure standard allocated.

New Zealand

Occupational exposure limits : No exposure standard allocated.

D8155943

8. Exposure controls/personal protection

Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Manufacturer: Exposure controls	
Engineering measures	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eyes	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Hands	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Respiratory	: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Skin	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Physical state	: Solid. [Tablet.]
Colour	: Blue. White. Red.
Odour	: Characteristic.
Boiling point	: Not available.
Melting point	: Not available.
Vapour pressure	: Not available.
Density	: Not available.
Flash point	: Closed cup: >93.3°C (>199.9°F)
Vapour density	: Not available.
pH	: 10.4 [Conc. (% w/w): 10%]
Viscosity	: Not available.
Solubility	: Soluble in the following materials: cold water and hot water.
tablet Weight or volume	: 17-23 g/tabs

D8155943

10. Stability and reactivity

- Chemical stability** : The product is stable. The product may not be stable under certain conditions of storage or use. Risk of exothermic decomposition at elevated temperatures, contact with other substances (such as acids, heavy-metal compounds or amines), friction or shock.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Keep away from heat and direct sunlight. Moisture: Do not mix with acids or oxidising agents
- Materials to avoid** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
sodium carbonate	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	2800 mg/kg	-
Sodium Carbonate Peroxyhydrate	LD50 Oral	Rat	1034 mg/kg	-
	LDLo Dermal	Rabbit	1260 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
sodium carbonate	Eyes - Mild irritant	Rabbit	-	0.5 minutes	-
	Eyes - Moderate irritant	Rabbit	-	100 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
				24 hours 500 microliters	-

Eyes : Not available.

Respiratory : Not available.

Sensitiser

Skin : Not available.

Respiratory : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Potential acute health effects

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Eye contact : Severely irritating to eyes. Risk of serious damage to eyes.

Potential chronic health effects

Chronic toxicity

Conclusion/Summary : Not available.

D8155943

11. Toxicological information

Chronic effects	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation	: No specific data.
Ingestion	: No specific data.
Skin	: No specific data.
Eyes	: Adverse symptoms may include the following: pain or irritation watering redness

Target organs	: Contains material which may cause damage to the following organs: upper respiratory tract, skin, eyes, central nervous system (CNS).
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12. Ecological information

Ecotoxicity	: No known significant effects or critical hazards.
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Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
sodium carbonate	Acute EC50 242000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute LC50 176000 µg/l Fresh water	Crustaceans - Amphipoda	48 hours
disodium carbonate, compound with hydrogen peroxide (2:3)	Acute LC50 265000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 300000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute EC50 70 mg/l	Algae - Chlorella emersonii	240 hours
	Acute EC50 4.9 mg/l	Daphnia - Daphnia Pulex	48 hours
	Acute LC50 70.7 mg/l	Fish - Pimephales promelas	96 hours

Other ecological information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
sodium carbonate	-	-	Readily

Other adverse effects	: No known significant effects or critical hazards.
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13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or
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D8155943

13. Disposal considerations

landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste : Yes.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

Regulation	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADG	Not regulated.	Not available.	Not available.	-		-
IMDG	Not regulated.	Not available.	Not available.	-		-
IATA	Not regulated.	Not available.	Not available.	-		-

PG* : Packing group

15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

Poison schedule (Australia) : Not scheduled

Australia inventory (AICS) : All components are listed or exempted.

New Zealand Inventory of Chemicals (NZIoC) : All components are listed or exempted.

HSNO Group Standard : Cleaning Products (Subsidiary hazard)

HSNO Approval Number : HSR002530

Approved Handler Requirement : Not required

Tracking Requirement : Not required

16. Other information

Abbreviations and acronyms : ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail
HSNO = Hazardous Substances and New Organisms Act 1996 (New Zealand)
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
N.O.S. = Not otherwise specified
NOHSC = National Occupational Health and Safety Commission (Australia)

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Version : 2

Revision Comments : Update NZ new address & phone number.

D8155943

16. Other information

Indicates information that has changed from previously issued version.

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.