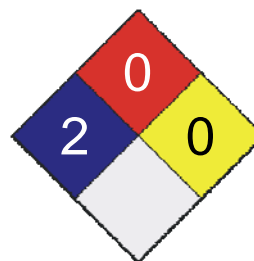


1. Product and Company Identification

Product Name	FINISH® Powerball
UPC CODES	Refer to section 16
CAS #	Mixture
Product Use	Dishwasher detergent
Distributed by	Reckitt Benckiser (Canada) Inc. 1680 Tech Avenue Unit #2 Mississauga, ON L4W 5S9 In Case of Emergency: 1-800-888-0192 Transportation Emergencies: 24 Hour Number: North America: CHEMTREC: 1-800-424-9300 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 2
Flammability	0
Physical Hazard	0
Personal Protection	B



2. Hazards Identification

Emergency Overview	CAUTION MAY IRRITATE EYES. DO NOT get in eyes. NOTICE: PRODUCT MAY POSE A CHOKING HAZARD TO CHILDREN UNDER 3 YEARS OF AGE. Keep out of reach of children.
Potential short term health effects	
Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Eyes	Irritating to eyes.
Skin	None expected during normal conditions of use. Not expected to be a skin sensitizer.
Inhalation	Contains enzymes, avoid breathing airborne dust. May cause mild nasal irritation upon prolonged or repeated contact to the dust in occupational or emergency response situation.
Ingestion	Harmful if swallowed. Ingestion could cause irritation of the mouth and throat. Will cause burning in mouth and throat. Difficulty swallowing, excessive salivating in infants. Reddening and swelling of mucous membranes of mouth and throat.
Target organs	Skin. Eyes.
Chronic effects	The finished product is not expected to have chronic health effects.
Signs and symptoms	Symptoms may include redness, oedema, drying, defatting and cracking of the skin.

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
A-Amylase (EC# 3.2.1.1)	9000-90-2	< 0.01
Subtilisin carlsburg	9014-01-1	< 0.25
Silicic acid, sodium salt	1344-09-8	1 - 5
Sodium tripolyphosphate	7758-29-4	15 - 30
Sodium carbonate	497-19-8	30 - 60
Sodium perborate monohydrate	10332-33-9	5 - 10

4. First Aid Measures

First aid procedures

Eye contact	If in eyes, IMMEDIATELY rinse eyes with water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation persists, get medical attention.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Move to fresh air.
Ingestion	If swallowed, rinse mouth and drink a glass of water. Do not induce vomiting. Call a physician or Poison Control Centre.

Notes to physician

Contains Sodium Carbonate, Sodium Carbonate Peroxhydrate and enzymes. Treat patient symptomatically.

General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting Measures

Flammable properties Not flammable by WHMIS criteria.

Extinguishing media

Suitable extinguishing media Treat for surrounding material.

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from the chemical Not available

Protective equipment for firefighters Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products May include and are not limited to: Oxides of carbon. Oxides of sulphur.

Explosion data

Sensitivity to mechanical impact Not available

Sensitivity to static discharge Not available

6. Accidental Release Measures

Personal precautions Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Methods for containment Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

Handling	Avoid contact with eyes. Do not ingest. Use good industrial hygiene practices in handling this material. When using do not eat or drink.
Storage	Keep out of reach of children. Store in a closed container away from incompatible materials. Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers.

8. Exposure Controls / Personal Protection

Exposure limit values

Ingredient(s)	Exposure limit values
A-Amylase (EC# 3.2.1.1)	ACGIH-TLV Not established
Silicic acid, sodium salt	ACGIH-TLV Not established
Sodium carbonate	ACGIH-TLV Not established
Sodium perborate monohydrate	ACGIH-TLV Not established
Sodium tripolyphosphate	ACGIH-TLV Not established
Subtilisin carlsburg	ACGIH-TLV Ceiling: 0.0001 mg/m3

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye/Face protection

Wear safety glasses with side shields.
Emergency responders should wear full eye and face protection.

Hand protection

Rubber gloves. Confirm with a reputable supplier first.
Emergency responders should wear impermeable gloves.

Skin and body protection

Usual safety precautions while handling the product will provide adequate protection against injury or irritation.
Follow label directions carefully.
Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

Appearance	Tablet
Colour	White / Blue / Red
Form	Solid.
Odour	Perfume
Odour threshold	Not available
Physical state	Solid
pH	10.6 ± 0.2 (10%)

Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Flash point	Product does not flash
Evaporation Rate	Not available
Flammability limits in air, lower, % by volume	Not applicable
Flammability Limits in Air, Upper, % by Volume	Not applicable
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	Not available
Octanol/water coefficient	Not available
Auto-ignition temperature	Not available
Bulk density	20.8 g/ tab

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals. Do not mix with chlorine bleach. Extremes of temperature and direct sunlight.
Incompatible materials	Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of sulphur.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
A-Amylase (EC# 3.2.1.1)	Not available
Silicic acid, sodium salt	Not available
Sodium carbonate	400 mg/m3 guinea pig
Sodium perborate monohydrate	Not available
Sodium tripolyphosphate	Not available
Subtilisin carlsburg	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
A-Amylase (EC# 3.2.1.1)	7500 mg/kg rat
Silicic acid, sodium salt	1153 mg/kg rat
Sodium carbonate	4090 mg/kg rat
Sodium perborate monohydrate	780 mg/kg rat; 1060 mg/kg mouse
Sodium tripolyphosphate	3100 mg/kg rat
Subtilisin carlsburg	Not available

Effects of acute exposure

Eye	Irritating to eyes.
Skin	None expected during normal conditions of use. Not expected to be a skin sensitizer.
Inhalation	Contains enzymes, avoid breathing airborne dust. May cause mild nasal irritation upon prolonged or repeated contact to the dust in occupational or emergency response situation.

Ingestion	Harmful if swallowed. Ingestion could cause irritation of the mouth and throat. Will cause burning in mouth and throat. Difficulty swallowing, excessive salivating in infants. Reddening and swelling of mucous membranes of mouth and throat.
Sensitisation	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Synergistic Materials	Not available

12. Ecological Information

Ecotoxicity	See below	
Ecotoxicity - Freshwater Algae Data		
Sodium carbonate	497-19-8	120 Hr EC50 Nitzschia: 242 mg/L
Ecotoxicity - Freshwater Fish Species Data		
Silicic acid, sodium salt	1344-09-8	96 Hr LC50 Lepomis macrochirus: 301-478 mg/L; 96 Hr LC50 Brachydanio rerio: 3185 mg/L [semi-static]
Sodium carbonate	497-19-8	96 Hr LC50 Lepomis macrochirus: 300 mg/L [static]; 96 Hr LC50 Pimephales promelas: <310-1220 mg/L [static]
Sodium tripolyphosphate	7758-29-4	48 Hr LC50 Leuciscus idus: 1650 mg/L
Ecotoxicity - Water Flea Data		
Silicic acid, sodium salt	1344-09-8	96 Hr EC50 Daphnia magna: 216 mg/L
Sodium carbonate	497-19-8	48 Hr EC50 Daphnia magna: 265 mg/L
Environmental effects	Not available	
Aquatic toxicity	Not available	
Persistence and degradability	Not available	
Bioaccumulation/accumulation	Not available	
Partition coefficient	Not available	
Mobility in environmental media	Not available	
Chemical fate information	Not available	
Other adverse effects	Not available	

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

UN/ID N.o.	Not applicable
U.S. Department of Transportation (DOT): Classification: Not regulated	
Proper shipping name	Not applicable
U.S. DOT Hazard Class	Not applicable
Subsidiary Risk	Not applicable
Packing group	Not applicable
DOT RQ (lbs)	Not applicable
ERG NO	Not applicable

Transportation of Dangerous Goods (TDG - Canada): Classification: Not regulated

Proper shipping name Not applicable

Status Not applicable

Packing group Not applicable

IMDG (Marine Transport): Classification: Not regulated

Proper shipping name Not applicable

Class Not applicable

Subsidiary Risk Not applicable

Packing group Not applicable

IMDG Page Not applicable

Marine pollutant Not applicable

EMS Not applicable

MFAG Not applicable

Maximum Quantity Not applicable

IATA/ICAO (Air): Classification: Not regulated

Proper shipping name Not applicable

Class Not applicable

Subsidiary Risk: Not applicable

Packing group Not applicable

Maximum Quantity Not applicable

15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Product Registration: Not registered

Canada - WHMIS - Ingredient Disclosure List

Sodium carbonate 497-19-8 1 %

WHMIS classification

Exempt - Consumer product

Inventory Status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

This product should only be used as directed on the label and for the purpose intended. 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.

Further information

51700-79064 - 15 ct - FINISH® Powerball Fresh Scent - 0123170
51700-79066 - 25 ct - FINISH® Powerball Fresh Scent - 0123170
51700-79065 - 15 ct - FINISH® Powerball Green Apple - 0123180
51700-79067 - 25 ct - FINISH® Powerball Green Apple - 0123180
51700-81050 - 60 ct - FINISH® Powerball Fresh - 0123170
51700-82906 - 90 ct - FINISH® Powerball Fresh - 0123170
51700-81096 - 60 ct - FINISH® Powerball Orange - 0123176
51700-82907 - 90 ct - FINISH® Powerball Orange - 0123176

Issue date

15-Apr-2010

Effective Date

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Expiry Date

15-Apr-2013

Prepared by

Reckitt Benckiser Regulatory Department 800-333-3899

Other Information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.