

SAFETY DATA SHEET

Finish Rinse Aid



1. Identification of the material and supplier

Names

Product name : Finish Rinse Aid
SDS no. : D0100163
Formulation # : #8020575 regular
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
 Lincoln Manor
 289 Lincoln Road
 Henderson, Auckland 0610
 Tel: + 64 9 839 0200

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

Emergency telephone number : (5 pm - 8 am EST Australia): +61 (02) 9857 2444
 NewZealand: (09) 839 0200

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

Material uses : Detergent for use in domestic automatic dishwashers

2. Hazards identification

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

Classification : Not regulated.

Risk phrases : Not classified

Safety phrases : S2- Keep out of the reach of children.
 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

Mixture : Yes.

Ingredient name	CAS number	Proportion % w/w
Alcohols, C12-18, ethoxylated propoxylated	69227-21-0	10 - < 30
sodium cumenesulphonate	28348-53-0	< 10
Zinc acetate, dihydrate	5970-45-6	<0.25

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.

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4. First-aid measures

First-aid measures

- Inhalation** : Move exposed person to fresh air. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Get medical attention if symptoms occur.
- Skin contact** : Get medical attention if symptoms occur.
- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Advice to doctor** : Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

- 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.

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
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.

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. 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 : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). 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.

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7. Handling and storage

Storage : Do not store below the following temperature: 0°C (32°F). 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.

8. Exposure controls/personal protection

Australia

Occupational exposure limits : No exposure standard allocated.

New Zealand

Occupational exposure limits : No exposure standard allocated.

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.

Manufacturer: Exposure controls

Engineering measures : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

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.

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.

Respiratory : Use a properly fitted, air-purifying or air-fed 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 : Liquid. [Liquid.]
Colour : Blue.
Odour : Characteristic.
Boiling point : >95°C (>203°F)
Melting point : <0°C (<32°F)
Vapour pressure : Not available.
Density : 1.005 to 1.025 g/cm³ [20°C (68°F)]
Flash point : Open cup: >100°C (>212°F)
Vapour density : Not available.

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9. Physical and chemical properties

- pH** : 2.8 to 3.2 [Conc. (% w/w): 100%]
Viscosity : Not available.
Solubility : Soluble in the following materials: cold water and hot water.

10. Stability and reactivity

- Chemical stability** : The product is stable.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid : No specific data. Do not allow to enter drains or watercourses.
Materials to avoid : Do not mix with Other Products
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
Zinc acetate, dihydrate	LD50 Oral	Rat	794 mg/kg	-

Irritation/Corrosion

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 : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

Potential chronic health effects

Chronic toxicity

Conclusion/Summary : Not available.

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

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12. Ecological information

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

Product/ingredient name	Result	Species	Exposure
Alcohols, C12-18, ethoxylated propoxylated	Acute EC50 0.1 to 1 mg/l	Aquatic plants	72 hours
	Acute LC50 0.1 to 1 mg/l Fresh water	Fish - Leuciscus idus	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
Alcohols, C12-18, ethoxylated propoxylated	-	-	Readily

Other adverse effects : No known significant effects or critical hazards.

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** : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Waste packaging should be recycled.**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.**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. 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 available.	Not available.	Not available.	-		-
IMDG	Not available.	Not available.	Not available.	-		-
IATA	Not available.	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)** : Listed**New Zealand Inventory of Chemicals (NZIoC)** : Listed**HSNO Group Standard** : This product has been approved under HSNO covered by Cleaning Products (Subsidiary Hazard) Group Standard 2006 HSR002530.**Date of issue** : 09/08/2012.**Page:** 5/6

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15. Regulatory information

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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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.