

# PRODUCT SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

**Trade Name:**

FINISH Rinse Aid - Regular

**Product Format:**

Liquid

**Product Use:**

Automatic Dishwashing Additive

**Supplier in UK:**

Reckitt Benckiser (UK) Ltd  
Wellcroft House  
Wellcroft Road  
Slough,  
Berkshire  
SL1 4AQ

**Supplier in The Republic Of Ireland:**

Reckitt Benckiser Ireland Ltd  
7 Riverwalk  
Citywest Business Campus  
Dublin 24  
Ireland

**Contact Telephone:** 0845 769 7079

**Contact Telephone:** 01 661 7318

**Date Issued:**

27 Apr 2009

**RB Reference No: Issue:**

3527622601

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**Revisions:**

New issue replacing that of 16 Jan 07

## 2. HAZARDS IDENTIFICATION.

Symbol(s)

Not dangerous.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS.

Chemical nature of the preparation This product contains:

Chemical Name	CAS#	EINECS/ ELINCS	REACH No.	Proportion (% w/w)	Classification
Alcohols, C12-18, ethoxylated propoxylated	69227-21-0	500-242-1		10 % - 15 %	Xi;R38 N;R50
Citric acid, monohydrate	5949-29-1	201-069-1		0.1 % - 1 %	Xi;R36
Zinc acetate, dihydrate	5970-45-6			< 0.25 %	N;R50-53
Potassium sorbate	24634-61-5	246-376-1		< 0.25 %	None
5-chloro-2-methyl-1,2-thiazol-3-one hydrochloride	26172-55-4	247-500-7		< 15ppm	T;R23/24/25 C;R34 N;R50
2-methyl-1,2-thiazol-3-one hydrochloride	2682-20-4	220-239-6		< 15ppm	T;R23/24/25 C;R34;R50-53

Other ingredients may be present as being disclosed by the ingredient declaration on package.

For the full text of the R phrases mentioned in this Section, see Section 16



#### 4. FIRST-AID MEASURES.

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General Advice	Immediate medical attention is not required. If any symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Skin Contact	Wash skin with water. If skin irritation persists, call a physician.
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	Clean mouth with water and afterwards drink plenty of water. If symptoms persist, call a physician.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.

#### 5. FIRE-FIGHTING MEASURES.

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Flash point:	No information available.
Suitable Extinguishing Media:	All extinguishing media can be used.
Precautions for Fire Fighters:	Standard procedure for chemical fires.

#### 6. ACCIDENTAL RELEASE MEASURES.

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Personal Precautions:	Avoid contact with the skin and the eyes. Material can create slippery conditions underfoot.
Environmental Precautions:	Not applicable. Local authorities should be advised if significant spillages cannot be contained.
Methods for Cleaning up:	Mop up spill and wash area with detergent and water. Keep in suitable and closed containers for disposal

#### 7. HANDLING AND STORAGE.

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Handling:	Handle in accordance with good industrial hygiene and safety practice.
Storage:	Protect against frost.
Storage Classification	12 (=Non-combustible liquids, following German VCI-concept)



## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

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Chemical Name	EU	Germany TRGS900:	German mak:	France - OEL	Belgium - OEL	Netherlands - OEL
5-chloro-2-methyl-1,2-thiazol-3-one hydrochloride 26172-55-4			Peak: 0.4 mg/m <sup>3</sup>			

2-methyl-1,2-thiazol-3-one hydrochloride 2682-20-4			Peak: 0.4 mg/m <sup>3</sup>			
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### Occupational exposure controls

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

### Personal Protective Equipment

**Respiratory Protection:** No special protective equipment required.

**Eye Protection** Tightly fitting safety goggles

**Hand Protection:** Impervious gloves.  
Permeation level 6, Penetration level 3 following EN374, taking into consideration the exposure of chemicals given in chapter 3.

**Skin and Body Protection:** Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.

**Hygiene measures** When using, do not eat, drink or smoke.

### Environmental exposure controls

Local authorities should be advised if significant, large quantity spillages cannot be contained.

## 9. PHYSICAL AND CHEMICAL PROPERTIES.

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<b>Physical State:</b>	Liquid.
<b>Appearance:</b>	Liquid.
<b>Colour:</b>	<ul style="list-style-type: none"><li>• Colourless</li><li>• Yellow</li><li>• Orange</li></ul>
<b>Odour:</b>	perfumed, typical to meet the Tradename descriptor
<b>pH</b>	3.0 ± 0.2 (100 %)
<b>Boiling Point/Range:</b>	> 95°C
<b>Melting Point/Range</b>	< 0°C
<b>Specific Gravity / Density [g/L]:</b>	1010 - 1020 at 20°C
<b>Flash Point:</b>	> 100°C



## 10. STABILITY AND REACTIVITY.

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Strong sunlight for prolonged periods. Store away from excessive heat and moisture.
<b>Hazardous Decomposition Products:</b>	Oxides of carbon and unknown organic compounds.
<b>Hazardous Polymerization:</b>	No information available.

## 11. TOXICOLOGICAL INFORMATION.

### PRODUCT TOXICITY DATA

LD<sub>50</sub> Oral: 13643 mg/kg (rat) estimated

LD<sub>50</sub> Dermal: mg/kg (rat) estimated

LC<sub>50</sub> Inhalation (Dust): mg/L estimated (dust) mg/m<sup>3</sup>

LC<sub>50</sub> Inhalation (Vapor): ml/m<sup>3</sup> (vapor) estimated

### Acute Effects:

**Eye Irritation** None expected during normal use.  
May cause eye irritation upon direct contact with 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 and toxicity result of similar products.

### COMPONENT TOXICITY DATA

Chemical Name	CAS#	LD50 Oral - With Units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Alcohols, C12-18, ethoxylated propoxylated	69227-21-0	> 2000 mg/kg ( Rat )		
Zinc acetate, dihydrate	5970-45-6	794 mg/kg ( Rat )		
Potassium sorbate	24634-61-5	3200 mg/kg ( Rat )		
5-chloro-2-methyl-1,2-thiazol-3-one hydrochloride	26172-55-4	481 mg/kg ( Rat )		



## 12. ECOLOGICAL INFORMATION.

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### Ecotoxicity:

Ecological Information: Contained surfactants are ultimately biodegradable according to the EU Detergent Regulation, 648/2004.

### PRODUCT TOXICITY DATA

Aquatic toxicity: Aquatic life may be affected by pH change from this product.

### COMPONENT TOXICITY DATA

*Alcohols, C12-18, ethoxylated propoxylated*

Freshwater Algae	EC50 (72h): 1-10 mg/L
Freshwater Fish	LC50 (96h): 10-100 mg/L
Water Flea	EC50 (48h): 1-10 mg/L

*Potassium sorbate*

Water Flea	EC50 = 750 mg/L 48 h
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### Other Information

Ozone Depletion Potential (ODP) (R-11 = 1): No information available.

Global Warming Potential (GWP): No information available.

Additional Ecological Information: Information given is based on data on the components and the ecotoxicology of similar products.

## 13. DISPOSAL CONSIDERATIONS.

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**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

**Contaminated Packaging:** Dispose of as unused product.

**Further information:** Packaging and container to be recycled only if emptied completely!

**EWC waste disposal No:** 20 01 29 (detergents containing dangerous substances)



#### 14. TRANSPORT INFORMATION.

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<b>General remarks</b>	Not classified as dangerous for transport regulations. For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated

#### 15. REGULATORY INFORMATION.

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Chemical safety assessment following regulation 1907/2006/EC: not relevant.

##### Labelling

**Symbol(s)**                      **Not dangerous.**

## 16. OTHER INFORMATION.

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### Text of R phrases mentioned in Section 3

- R50 - Very toxic to aquatic organisms.
- R38 - Irritating to skin.

**Reason for revision:** Not relevant

**Additional advice:** Following the A.I.S.E. Association Internationale de la Savonnerie, de la Détergence et des Produits d'Entretien charter for sustainable cleaning, voluntary safety icons with or without safety advises may be displayed on the packaging:



Keep away from children



Keep away from eyes. If product gets into eyes rinse thoroughly with water.



Do not ingest. If product is ingested then seek medical advice

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This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current knowledge of the product concerned, and is given in good faith. The attention of recipients is drawn to (amongst other things) the element of risk consequent to use of the product other than that for which it was intended.

In no way does this document remove the need of the recipient of the product to fully understand and apply statutory requirements. It is the recipient's sole responsibility to take due precautions relative to the use made of the product. All information contained herein is only to assist the recipient in fulfilling their statutory duty connected with the use of hazardous materials.

This list of information must not be considered as exhaustive, and does not exonerate the recipient from taking other precautions described in documents other than those mentioned, concerning the storage and use of the product, for which they remain the sole person responsible.