

PRODUCT SAFETY DATA SHEET



1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

Trade Name: FINISH Dishwasher Cleaner - Original

Product Identification Code

① 03635-01030-Xi

Product Format: Liquid

Product Use: Detergent to clean dishwashers

Supplier in UK:

Reckitt Benckiser
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

Contact Email: consumer.relations-ukroi@reckittbenckiser.com

Date Issued:	RB Ref No:	Issue:	RB parent code:	Revisions:
02 Sep 2011	3514620903	3	D0024562 v9 + 0347178 v2	Revised Formula

2. HAZARDS IDENTIFICATION.

The preparation is classified as dangerous in accordance with Directive 1999/45/EC

Classification and hazard labelling

Symbol(s) Xi - Irritant

Most important hazards

R -phrase(s) R36 - Irritating to eyes

Labelling



S -phrase(s)

S 2 - Keep out of the reach of children
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S46 - If swallowed, seek medical advice immediately and show this container or label
S50 - Do not mix with bleach or other cleaning products.
S35 - This material and its container must be disposed of in a safe way

3. COMPOSITION / INFORMATION ON INGREDIENTS.

This product contains:

Chemical Name	CAS-No	EINECS / ELINCS	REACH-No	Proportion (% w/w)	Classification	CLP Classification
Citric acid	77-92-9	EINECS: 201-069-1	No information available	15 - 30 %	Xi;R36	Eye Irrit. 2 (H319)
C12-14 pareth-3	68439-50-9		No information available	5 - 10 %	Xi; R41	Eye Dam. 1 (H318)

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

For the full text of the R phrases / H-Statements mentioned in this Section, see Section 16.

4. FIRST-AID MEASURES.

Description of First Aid measures

General advice	Immediate medical attention is required in case of contact with eyes. Show this safety data sheet to the doctor in attendance.
Skin Contact	Wash off immediately with plenty of water.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Rinse mouth. Drink plenty of water. Do not induce vomiting.
Notes to Physician	Treat symptomatically
Protection of First-aiders	Use personal protective equipment.

Most Important Symptoms and Effects

Signs and symptoms	No information available
Chronic effects:	No information available
Medical Attention and Special Treatment	Treat symptomatically.

5. FIRE-FIGHTING MEASURES.

Suitable Extinguishing Media:	As suitable for the surrounding fire.
Special protective equipment for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary.
Precautions for fire-fighting	Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES.

Personal Precautions:	Use personal protective equipment. Avoid contact with the skin and the eyes.
Environmental Precautions:	Prevent product from entering drains.
Methods for Cleaning up:	Soak up with inert absorbent material. Pick up and transfer to properly labelled containers for disposal. After cleaning, flush away traces with water. Prevent product from entering drains.
Methods for Containment:	Prevent further leakage or spillage if safe to do so.



7. HANDLING AND STORAGE.

Handling:	Ensure adequate ventilation Wear personal protective equipment
Storage:	Keep container tightly closed in a dry and well-ventilated place Keep from freezing Keep at temperatures below 40 °C / 104 °F.
Storage Classification	12 (=Non-combustible liquids, following German VCI-concept)
Recommended use	Detergent to clean Dishwashers

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Control parameters

Empty spaces in the table above, indicate there is no exposure limit data available for that particular chemical in that particular country / region.

Occupational exposure controls

Engineering Controls: Ensure adequate ventilation. Maintain air concentrations below exposure standards.

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

Personal Protective Equipment

Respiratory Protection: None required under normal usage.

Eye Protection: Tightly fitting safety goggles.

Skin and Body Protection: None required under normal recommended use conditions.

Environmental exposure controls

Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	Liquid.
Colour:	Yellow, or , Blue
Odour:	perfumed, typical to meet the Tradename descriptor
pH	1.5 ± 0.2 (100 %)
Interpretation of reserve	-Confirmed by experimental data: not corrosive
Melting point/range	Not relevant
Boiling Point/Range:	< 100°C
Flash Point:	Not applicable
Evaporation Rate:	Not relevant
Flammability Limits in Air:	
Lower Flammable / Explosive Limit in Air:	Not relevant
Upper Flammable / Explosive Limit in Air:	Not relevant
Vapour pressure:	Not applicable
Vapour density	Not applicable
Specific Gravity / Density [g/mL]:	1.09 - 1.12
Solubility:	Not relevant
Fat solubility:	Not relevant
Autoignition Temperature:	Not relevant
Viscosity:	Not relevant

OTHER INFORMATION No further information available

10. STABILITY AND REACTIVITY.

Stability

Stability Stable under normal conditions.

Reactivity Hazard

Hazardous Reactions:

None

Conditions to Avoid:

Strong sunlight for prolonged periods.
Avoid temperatures above 40 °C / 104 °F
Avoid freezing.

Incompatible products

Do not mix with chlorine bleach and strong alkali compounds. Corrodes base metals.

Hazardous Decomposition Products:

None known

11. TOXICOLOGICAL INFORMATION.

PRODUCT TOXICITY DATA

LD₅₀ Oral: >2000 mg/kg (rat) estimated estimated

LD₅₀ Dermal: >2000 mg/kg (rat) estimated

LC₅₀ Inhalation (Dust): >5 mg/m³ (dust) estimated

LC₅₀ Inhalation (Vapor): >20 ml/m³ (vapor) estimated

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 given is based on data on the components and the toxicology of similar products.

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
Citric acid	77-92-9	3000 mg/kg (Rat)	no data available	no data available
C12-14 pareth-3	68439-50-9	> 2000 mg/kg (Rat)	no data available	no data available

12. ECOLOGICAL INFORMATION.

Ecotoxicity:

Ecological Information: No data available.

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

COMPONENT TOXICITY DATA

Citric acid
(77-92-9)

Freshwater Fish LC50 96 h *Lepomis macrochirus* 1516 mg/L

Water Flea EC50 72 h 120 mg/L

C12-14 pareth-3
(68439-50-9)

Freshwater Algae 1-10 mg/L (72 h *Scenedesmus subspicatus*, OECD 201)

Freshwater Fish 1-10 mg/L (96 h *Cyprinus carpio*, OECD 203)

Water Flea 1-10 mg/L (48 h *Daphnia Magna*, OECD 202)

PBT and vPvB assessment Not required

Other Information

Ozone depletion potential; ODP; Not applicable.
(R-11 = 1)

Global Warming Potential (GWP): Not applicable.

Additional Ecological Information: Any 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.
Contaminated Packaging:	Dispose of as unused product.
EWC waste disposal No:	200114 - acids

14. TRANSPORT INFORMATION.

General remarks	For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.
ADR	Not regulated
RID	Not regulated
ADN	Not regulated
IMDG / IMO	Not regulated
ICAO	Not regulated
IATA	Not regulated

15. REGULATORY INFORMATION.

Chemical Safety Assessment following regulation 1907/2006/EC: Not relevant.

Germany, Water Endangering Classes (VwVwS):

WGK Value	WGK 2: hazard to waters - water endangering - for bulk material, not applicable for product in domestic type pack sizes.
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16. OTHER INFORMATION.

Risk Phrases:

R36 - Irritating to eyes.

R41 - Risk of serious damage to eyes.

Text of H phrases mentioned in Section 3

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

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.