

PRODUCT SAFETY DATA SHEET



1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY IDENTIFICATION.

Trade Name: FINISH Professional - Power Powder Regular

Product Identification Code

① 03635-01016-Xi

Product Format: Powder

Product Use: Professional dishwasher detergent

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

Hours of Operation: 08:30 - 16:30 weekdays

Hours of Operation: 09:00 - 17:00 weekdays

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

Date Issued:	RB Ref No:	Issue:	RB parent code:	Revisions:
22 Dec 2011	3522121903	3	D0281774 v2 + 0281766 v2	New MSDS version

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

Risk Combination Phrases R36/38 - Irritating to eyes and skin
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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
S35 - This material and its container must be disposed of in a safe way

Additional Recommended Phrases: Warning! Do not use together with other products. May release dangerous gases (chlorine)

3. COMPOSITION / INFORMATION ON INGREDIENTS.

This product contains:

Chemical Name	CAS-No	EINECS / ELINCS	REACH-No	Proportion (% w/w)	Classification	CLP Classification
Sodium carbonate	497-19-8	EINECS: 207-838-8	No information available	30 - 60 %	Xi; R36	Eye Irrit. 2 (H319)
Chemical Name	CAS-No	EINECS / ELINCS	REACH-No	Proportion (% w/w)	Classification	CLP Classification
Sodium tripolyphosphate	7758-29-4	EINECS: 231-838-7	No information available	30 - 60 %	unclassified	Unclassified
Disodium Metasilicate	6834-92-0	EINECS: 229-912-9	No information available	5 - 10 %	C; R34 Xi; R37	Skin Corr. 1B (H314) STOT SE 3 (H335)
1,3-dichloro-1,3,5-triazinane-2,4,6-trione, dihydrate	51580-86-0	EINECS: 220-767-7	No information available	1 - 2.5 %	Xn; R22 R31 Xi; R36/37 N; R50 R53	Acute Tox. 4 (H302) STOT SE 3 (H335) Eye Irrit. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Oleth-2	9004-98-2		No information available	1 - 2.5 %	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 skin or contact with eyes. Show this safety data sheet to the doctor in attendance.
Skin Contact	Wash off immediately with plenty of water. If symptoms persist, 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	Rinse mouth. Drink plenty of water. Do not induce vomiting. Consult a physician.
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. FIREFIGHTING MEASURES.

Suitable Extinguishing Media:	The product is not flammable. All extinguishing media can be used.
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:	Do not flush with water. Prevent product from entering drains.
Methods for Cleaning up:	Mop up spill and wash area with detergent and water. Do not flush into surface water. Prevent product from entering drains.

7. HANDLING AND STORAGE.

Handling:	Ensure adequate ventilation Wear personal protective equipment
Storage:	Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers. Keep at temperatures below 60 °C / 140 °F.
Storage Classification	13 (=Non-combustible solids, following German VCI-concept)
Recommended use	Detergent for use in professional automatic 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.

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

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

Environmental exposure controls

Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Information on basic physical and chemical properties

Physical State:	Solid
Appearance:	Powder
Colour:	White
Odour:	Slight chlorine
pH	12.1 ± 0.2 (10 %)
Alkaline Reserve [g NaOH/100g]	10.8
Interpretation of reserve	irritant -Confirmed by experimental data: not corrosive
Melting point/range	Not relevant
Boiling Point/Range:	Not relevant
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]:	1.0 - 1.1
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 60 °C / 140 °F

Incompatible products Do not mix with other household chemicals.

Hazardous Decomposition Products: Chlorine

11. TOXICOLOGICAL INFORMATION.

PRODUCT TOXICITY DATA

LD ₅₀ Oral:	>2000 mg/kg (rat) estimated
LD ₅₀ Dermal:	>2000 mg/kg (rat) estimated
LC ₅₀ Inhalation (Dust):	No information available
LC ₅₀ Inhalation (Vapor):	No information available>

ACUTE EFFECTS

Eye Irritation	Irritating to eyes.
Skin Irritation	Irritating to skin.
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
Sodium carbonate	497-19-8	4090 mg/kg (Rat)	no data available	no data available
Sodium tripolyphosphate	7758-29-4	3100 mg/kg (Rat)	7940 mg/kg	no data available
Disodium Metasilicate	6834-92-0	>2000 mg/kg (Rat)	no data available	no data available
1,3-dichloro-1,3,5-triazinane-2,4,6-trione, dihydrate	51580-86-0	1800 mg/kg (Rat)	no data available	no data available
Oleth-2	9004-98-2	2700 mg/kg (Rat)	no data available	no data available



12. ECOLOGICAL INFORMATION.

Ecotoxicity:

Ecological Information: No data available.

Aquatic toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

COMPONENT TOXICITY DATA

Sodium carbonate
(497-19-8)

Freshwater Algae EC50 = 242 mg/L 120 h

Freshwater Fish LC50 = 300 mg/L *Lepomis macrochirus* 96 h

Water Flea EC50 = 265 mg/L 48 h

Sodium tripolyphosphate
(7758-29-4)

Mobility: No information available.

Disodium Metasilicate
(6834-92-0)

Freshwater Fish 210 mg/L (96h; *Brachydanio rerio*)

Water Flea 216 mg/L (96h, *Daphnia magna*)

1,3-dichloro-1,3,5-triazinane-2,4,6-trione, dihydrate
(51580-86-0)

Freshwater Fish LC50 = 0.13 mg/L 96 h (*Salmo gairdneri*)

Water Flea EC50: 0.28 mg/L 48h (*Daphnia*)

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: Offer rinsed packaging material to local recycling facilities.

EWC waste disposal No: 200129 - detergents containing dangerous substances



14. TRANSPORT INFORMATION.

General remarks	Not classified as dangerous in the meaning of transport regulations. For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.
<u>ADR</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADN</u>	Not regulated
<u>IMDG / IMO</u>	Not regulated
<u>ICAO</u>	No information available
<u>IATA</u>	No information available

15. REGULATORY INFORMATION.

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

Classification and Labelling

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

Germany, Water Endangering Classes (VwVwS):

WGK Value	WGK2 - 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.
R34 - Causes burns.
R37 - Irritating to respiratory system.
R31 - Contact with acids liberates toxic gas.
R22 - Harmful if swallowed.
R41 - Risk of serious damage to eyes.

Risk Combination Phrases:

R36/37 - Irritating to eyes and respiratory system.
R36/38 - Irritating to eyes and skin.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of H phrases mentioned in Section 3

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

The Product Identification Code (in Section 1) is in conformance with EN 15178 for the identification of products in emergency enquiries.

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.