

# PRODUCT SAFETY DATA SHEET

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

**Trade Name:** FINISH Classic Tablets - Regular

**Product Format:** Tablets

**Product Use:** 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

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

**Contact Telephone:** 01 661 7318

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

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

| <b>Date Issued:</b> | <b>RB Ref No:</b> | <b>Issue:</b> | <b>RB parent code:</b> | <b>Revisions:</b> |
|---------------------|-------------------|---------------|------------------------|-------------------|
| 27 Jul 2012         | 3535922604        | 4             | D0378161 v2            | New formula       |

## 2. HAZARDS IDENTIFICATION.

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

**Classification according to Directive 1999/45/EC [DPD]**

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Xi; R41

**Human health hazards** : Risk of serious damage to eyes.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard symbol or symbols** :



**Indication of danger** : Irritant

- Risk phrases** : R41- Risk of serious damage to eyes.
- Safety phrases** : S2- Keep out of the reach of children.  
 S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S39- Wear eye/face protection.  
 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.
- Supplemental label elements** : Contains Subtilisin. May produce an allergic reaction.
- Special packaging requirements**
- Containers to be fitted with child-resistant fastenings** : Not applicable.
- Tactile warning of danger** : Not applicable.
- 2.3 Other hazards**
- Other hazards which do not result in classification** : Not available.
- Additional information** : Short term Skin Bleaching agent. IF ON SKIN: Rinse skin with water.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS.

Substance/mixture : Mixture

| Product/ingredient name                                   | Identifiers                                                                        | %        | Classification                                                       |                                                               | Type    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------|---------------------------------------------------------------|---------|
|                                                           |                                                                                    |          | 67/548/EEC                                                           | Regulation (EC) No. 1272/2008 [CLP]                           |         |
| SODIUM CARBONATE                                          | REACH #: 01-2119485498-19<br>EC: 207-838-8<br>CAS: 497-19-8<br>Index: 011-005-00-2 | 30 - 60  | Xi; R36                                                              | Eye Irrit. 2, H319                                            | [1]     |
| disodium carbonate, compound with hydrogen peroxide (2:3) | REACH #: 01-2119457268-30<br>EC: 239-707-6<br>CAS: 15630-89-4                      | 5 - 10   | O; R8                                                                | Ox. Sol. 3, H272                                              | [1]     |
| Silicic acid, sodium salt                                 | REACH #: 01-2119448725-31<br>EC: 215-687-4<br>CAS: 1344-09-8                       | < 2.5    | Xn; R22<br>Xi; R41<br>Xi; R41, R38                                   | Acute Tox. 4, H302<br>Eye Dam. 1, H318<br>Skin Irrit. 2, H315 | [1]     |
| Alcohols, C12-18, ethoxylated propoxylated                | EC: 500-242-1<br>CAS: 69227-21-0                                                   | 0.25 - 1 | Xi; R38<br>N; R50                                                    | Eye Dam. 1, H318                                              | [1]     |
| Subtilisin                                                | EC: 232-752-2<br>CAS: 9014-01-1<br>Index: 647-012-00-8                             | <0.1     | Xi; R41, R37/38<br>R42                                               | Skin Irrit. 2, H315<br>Aquatic Acute 1, H400                  | [1] [2] |
|                                                           |                                                                                    |          | See Section 16 for the full text of the R-phrases declared above.    |                                                               |         |
|                                                           |                                                                                    |          | See Section 16 for the full text of the H-statements declared above. |                                                               |         |

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions** : Not applicable.  
on the manufacture,  
placing on the market  
and use of certain  
dangerous substances,  
mixtures and articles

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, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

## 4. FIRST-AID MEASURES.

### 4.1 Description of first aid measures

- Eye contact** : Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Move exposed person to fresh air. Get medical attention if adverse health effects persist or are severe. In case of inhalation of decomposition products in a fire, symptoms may be delayed.
- Skin contact** : Get medical attention if symptoms occur. Wash clothing before reuse.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

- Eye contact** : Risk of serious damage to eyes.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

## 5. FIREFIGHTING MEASURES.

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : No specific fire or explosion hazard.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
phosphorus oxides  
metal oxide/oxides

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : 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.

**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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## 6. ACCIDENTAL RELEASE MEASURES.

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : 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 spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

### 6.2 Environmental precautions

: Avoid dispersal of spilled 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).

### 6.3 Methods and materials for containment and cleaning up

**Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## 7. HANDLING AND STORAGE.

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).

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : 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. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

- Storage** : Do not store above the following temperature: 40°C (104°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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

### 7.3 Specific end use(s)

- Recommendations** : Washing and cleaning products (including solvent based products) Consumer uses: Private households (= general public = consumers)
- Industrial sector specific solutions** : Not available.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

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).

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

- 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. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

### 8.2 Manufacturer: Exposure controls

- Appropriate engineering controls** : 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.

#### Individual protection measures

## 9. PHYSICAL AND CHEMICAL PROPERTIES.

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                                              |                             |
|----------------------------------------------|-----------------------------|
| Physical state                               | : Solid.                    |
| Color                                        | : Blue. Red. White.         |
| Odor                                         | : Characteristic.           |
| Odor threshold                               | : Not available.            |
| pH                                           | : 10.5 [Conc. (% w/w): 10%] |
| Melting point/freezing point                 | : Not available.            |
| Initial boiling point and boiling range      | : Not available.            |
| Flash point                                  | : Not available.            |
| Evaporation rate                             | : Not available.            |
| Flammability (solid, gas)                    | : Not available.            |
| Burning time                                 | : Not available.            |
| Burning rate                                 | : Not available.            |
| Upper/lower flammability or explosive limits | : Not available.            |
| Vapor pressure                               | : Not available.            |
| Vapor density                                | : Not available.            |
| Density                                      | : Not available.            |
| Solubility(ies)                              | : Not available.            |
| Partition coefficient: n-octanol/water       | : Not available.            |
| Decomposition temperature                    | : Not available.            |
| Viscosity                                    | : Not available.            |
| Explosive properties                         | : Not available.            |
| Oxidizing properties                         | : Not available.            |
| tablet Weight or volume                      | : 17-23 g/Tabs              |

### 9.2 Other information

No additional information.

## 10. STABILITY AND REACTIVITY.

|                                         |                                                                                                        |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------|
| 10.1 Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.           |
| 10.2 Chemical stability                 | : The product is stable.                                                                               |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| 10.4 Conditions to avoid                | : Do not mix with acids or oxidizing agents                                                            |
| 10.5 Incompatible materials             | : Do not mix with Other Products                                                                       |
| 10.6 Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## 11. TOXICOLOGICAL INFORMATION.

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                                         | Result      | Species | Dose        | Exposure |
|-----------------------------------------------------------------|-------------|---------|-------------|----------|
| SODIUM CARBONATE                                                | LD50 Oral   | Rat     | 4090 mg/kg  | -        |
| disodium carbonate,<br>compound with hydrogen<br>peroxide (2:3) | LD50 Oral   | Rat     | 1034 mg/kg  | -        |
| Silicic acid, sodium salt                                       | LD50 Dermal | Rabbit  | >4640 mg/kg | -        |

#### Irritation/Corrosion

| Product/ingredient name   | Result                   | Species | Score | Exposure | Observation |
|---------------------------|--------------------------|---------|-------|----------|-------------|
| SODIUM CARBONATE          | Eyes - Mild irritant     | Rabbit  | -     | -        | -           |
|                           | Eyes - Moderate irritant | Rabbit  | -     | -        | -           |
| Silicic acid, sodium salt | Eyes - Severe irritant   | Rabbit  | -     | -        | -           |
|                           | Skin - Severe irritant   | Rabbit  | -     | -        | -           |

#### Sensitization

No known effect according to our database.

#### Mutagenicity

No known effect according to our database.

#### Carcinogenicity

No known effect according to our database.

#### Reproductive toxicity

No known effect according to our database.

#### Teratogenicity

No known effect according to our database.

#### Potential acute health effects

- Eye contact** : Risk of serious damage to eyes.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

##### Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

##### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

**Conclusion/Summary** : Not available.

**General** : 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.

**Other information** : Not available.

## 12. ECOLOGICAL INFORMATION.

### 12.1 Toxicity

| Product/ingredient name                                   | Result                               | Species                                            | Exposure  |
|-----------------------------------------------------------|--------------------------------------|----------------------------------------------------|-----------|
| SODIUM CARBONATE                                          | Acute EC50 200 mg/L Fresh water      | Daphnia - Ceriodaphnia dubia - Neonate - <24 hours | 48 hours  |
|                                                           | Acute LC50 300 mg/l Fresh water      | Fish - Lepomis macrochirus - 3.88 cm - 0.96 g      | 96 hours  |
|                                                           | Acute EC50 70 mg/l                   | Algae - Chlorella emersonii                        | 240 hours |
|                                                           | Acute EC50 4.9 mg/l                  | Daphnia - Daphnia Pulex                            | 48 hours  |
| disodium carbonate, compound with hydrogen peroxide (2:3) | Acute LC50 70.7 mg/l                 | Fish - Pimephales promelas                         | 96 hours  |
| Silicic acid, sodium salt                                 | Acute EC50 33.53 mg/L Fresh water    | Daphnia - Ceriodaphnia dubia - Neonate - <24 hours | 48 hours  |
|                                                           | Acute LC50 1800000 ug/L Fresh water  | Fish - Gambusia affinis - Adult                    | 96 hours  |
| Alcohols, C12-18, ethoxylated propoxylated                | Acute EC50 0.1 to 1 mg/l             | Aquatic plants                                     | 72 hours  |
|                                                           | Acute EC50 0.1 to 1 mg/l Fresh water | Daphnia                                            | 48 hours  |
|                                                           | Acute LC50 0.1 to 1 mg/l Fresh water | Fish - Leuciscus idus                              | 96 hours  |

### 12.2 Persistence and degradability

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.

No known effect according to our database.

| Product/ingredient name                    | Aquatic half-life | Photolysis | Biodegradability |
|--------------------------------------------|-------------------|------------|------------------|
| Alcohols, C12-18, ethoxylated propoxylated | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

No known effect according to our database.

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 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.

#### European waste catalogue (EWC)

| Waste code | Waste designation                          |
|------------|--------------------------------------------|
| 20 01 29*  | detergents containing dangerous substances |

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimized 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14. TRANSPORT INFORMATION.

This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

## 15. REGULATORY INFORMATION.

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

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

## 16. OTHER INFORMATION.

Indicates information that has changed from previously issued version.

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Abbreviations and acronyms</b>                     | : ATE = Acute Toxicity Estimate<br>CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]<br>DNEL = Derived No Effect Level<br>EUH statement = CLP-specific Hazard statement<br>PNEC = Predicted No Effect Concentration<br>RRN = REACH Registration Number                                                                                   |
| <b>Key literature references and sources for data</b> | : Not available.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Europe</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Full text of abbreviated H statements</b>          | : H272 May intensify fire; oxidizer.<br>H302 Harmful if swallowed.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.<br>H400 Very toxic to aquatic life.                                                                                                                                                                |
| <b>Full text of classifications [CLP/GHS]</b>         | : Acute Tox. 4, H302 ACUTE TOXICITY: ORAL - Category 4<br>Aquatic Acute 1, H400 AQUATIC TOXICITY (ACUTE) - Category 1<br>Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1<br>Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2<br>Ox. Sol. 3, H272 OXIDIZING SOLIDS - Category 3<br>Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2 |
| <b>Full text of abbreviated R phrases</b>             | : R8- Contact with combustible material may cause fire.<br>R22- Harmful if swallowed.<br>R41- Risk of serious damage to eyes.<br>R36- Irritating to eyes.<br>R38- Irritating to skin.<br>R50- Very toxic to aquatic organisms.                                                                                                                                                  |
| <b>Full text of classifications [DSD/DPD]</b>         | : O - Oxidizing<br>Xn - Harmful<br>Xi - Irritant<br>N - Dangerous for the environment                                                                                                                                                                                                                                                                                           |

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.