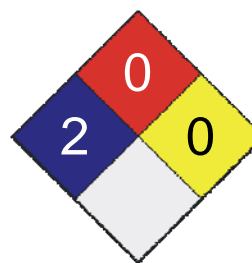


### 1. Product and Company Identification

**Product Name** FINISH® GEL  
**UPC CODES** Refer to section 16  
**CAS #** Mixture  
**Product use** Dishwasher detergent  
**Distributed by** Reckitt Benckiser  
 Morris Corporate Center IV  
 399 Interpace Parkway  
 P.O. Box 225  
 Parsippany, NJ 07054-0225  
 In Case of Emergency: 1-800-228-4722  
 Transportation Emergencies: 24 Hour Number:  
 North America: CHEMTREC: 1-800-424-9300  
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 2
Flammability	0
Physical Hazard	0
Personal Protection	D



### 2. Hazards Identification

**Emergency overview** CAUTION  
 HARMFUL IF SWALLOWED. EYE AND SKIN IRRITANT.  
 Avoid contact with eyes, skin, mucous membranes and clothing.  
 DO NOT mix with any other products such as dishwashing liquids, cleaning products or ammonia as harmful fumes may be generated. Not for handwashing.

KEEP OUT OF REACH OF CHILDREN.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Eyes** Irritating to eyes.

**Skin** None expected during normal conditions of use.  
 Non-corrosive properties being confirmed by in-vitro tests (Corrositex-test and OECD 431).  
 Not expected to be a skin sensitizer.

**Inhalation** None expected during normal conditions of use.

**Ingestion** Harmful if swallowed.  
 Ingestion could cause irritation of the mouth and throat.

**Target organs** Eyes. Respiratory system. Skin.

**Chronic effects** The finished product is not expected to have chronic health effects.

**Signs and symptoms** Symptoms may include redness, edema, drying, defatting and cracking of the skin.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Silicic acid, sodium salt	1344-09-8	10 - 15
Sodium hypochlorite	7681-52-9	0.1 - 1
Potassium hydroxide	1310-58-3	< 2.5

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## 4. First Aid Measures

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### First aid procedures

<b>Eye contact</b>	If in eyes, IMMEDIATELY rinse eyes with plenty of water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation persists, get medical attention immediately.
<b>Skin contact</b>	If on skin, IMMEDIATELY wash with plenty of soap and water. If irritation persists, get medical attention.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	If swallowed, do NOT induce vomiting. Drink a glass of water. Call a Poison Control Center or physician.

### Notes to physician

Treat patient symptomatically.

### General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

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## 5. Fire Fighting Measures

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<b>Flammable properties</b>	Not flammable by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of sulphur. Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

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## 7. Handling and Storage

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<b>Handling</b>	Avoid contact with eyes, skin and clothing. DO NOT mix with any other products such as dishwashing liquids, cleaning products or ammonia.  Use good industrial hygiene practices in handling this material. When using do not eat or drink.
<b>Storage</b>	Keep out of reach of children. Keep in properly labelled containers. Keep containers tightly closed in a cool, well-ventilated place.

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## 8. Exposure Controls / Personal Protection

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### Exposure limits

Ingredient(s)	Exposure Limits
Potassium hydroxide	<b>ACGIH-TLV</b> Ceiling: 2 mg/m <sup>3</sup> <b>OSHA-PEL</b> Not established
Silicic acid, sodium salt	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Sodium hypochlorite	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

tightly fitting safety goggles  
Emergency responders should wear full eye and face protection.

#### Hand protection

Impervious gloves.  
Emergency responders should wear impermeable gloves.

#### Skin and body protection

Usual safety precautions while handling the product will provide adequate protection against injury or irritation.  
Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

#### Respiratory protection

Not normally required under normal use conditions.  
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.  
Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

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## 9. Physical and Chemical Properties

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Appearance	gel
Color	Blue
Form	Gel
Odor	Characteristic
Odor threshold	Not available
Physical state	Liquid
pH	11.3 ± 0.2 (10%)
Freezing point	Not available
Pour point	Not available
Boiling point	Not available
Flash point	> 212.00 °F (> 100 °C)
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available

<b>Specific gravity</b>	1.10 - 1.25
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Soluble
<b>Auto-ignition temperature</b>	Not available
<b>Viscosity</b>	19 800 MPas (68°F)

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Exposure to sunlight. Do not mix with bleach or any other chemical.
<b>Incompatible materials</b>	Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of sulphur. Oxides of carbon.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Potassium hydroxide	Not available
Silicic acid, sodium salt	Not available
Sodium hypochlorite	> 5250 mg/m3 rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Potassium hydroxide	214 mg/kg rat
Silicic acid, sodium salt	1153 mg/kg rat
Sodium hypochlorite	8200 mg/kg rat; 5800 mg/kg mouse

### Effects of acute exposure

<b>Eye</b>	Irritating to eyes.
<b>Skin</b>	None expected during normal conditions of use. Non-corrosive properties being confirmed by in-vitro tests (Corrositex-test and OECD 431). Not expected to be a skin sensitizer.
<b>Inhalation</b>	None expected during normal conditions of use.
<b>Ingestion</b>	Harmful if swallowed. Ingestion could cause irritation of the mouth and throat.
<b>Sensitization</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.

### IARC - Group 3 (Not Classifiable)

Sodium hypochlorite 7681-52-9 Monograph 52 [1991] (listed under Hypochlorite salts)

<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Synergistic Materials</b>	Not available

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## 12. Ecological Information

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**Ecotoxicity** See below

**Ecotoxicity - Freshwater Algae Data**

Sodium hypochlorite 7681-52-9 24 Hr EC50 Skeletonema costatum: 0.095 mg/L

**Ecotoxicity - Freshwater Fish Species Data**

Potassium hydroxide 1310-58-3 96 Hr LC50 Gambusia affinis: 80 mg/L [static]  
Silicic acid, sodium salt 1344-09-8 96 Hr LC50 Lepomis macrochirus: 301-478 mg/L; 96 Hr LC50 Brachydanio rerio: 3185 mg/L [semi-static]

Sodium hypochlorite 7681-52-9 96 Hr LC50 Pimephales promelas: 0.06-0.11 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 4.5-7.6 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.4-0.8 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.28-1 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.05-0.771 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: >0.03-<0.19 mg/L [semi-static]; 96 Hr LC50 Oncorhynchus mykiss: 0.18-0.22 mg/L [static]

**Ecotoxicity - Water Flea Data**

Silicic acid, sodium salt 1344-09-8 96 Hr EC50 Daphnia magna: 216 mg/L

Sodium hypochlorite 7681-52-9 96 Hr EC50 Daphnia magna: 2.1 mg/L; 48 Hr EC50 Daphnia magna: 0.033 - 0.044 mg/L [Static]

**Environmental effects** Not available

**Aquatic toxicity** Not available

**Persistence / degradability** Not available

**Bioaccumulation / accumulation** Not available

**Partition coefficient** Not available

**Mobility in environmental media** Not available

**Chemical fate information** Not available

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## 13. Disposal Considerations

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**Waste codes** Not available

**Disposal instructions** Dispose in accordance with all applicable regulations.

**Waste from residues / unused products** Not available

**Contaminated packaging** Not available

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## 14. Transport Information

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**UN/ID N.o.** Not applicable

**U.S. Department of Transportation (DOT): Classification:** Not regulated

**Proper shipping name** Not applicable

**U.S. DOT Hazard Class** Not applicable

**Subsidiary Risk** Not applicable

**Packing group** Not applicable

**DOT RQ (lbs)** Not applicable

**ERG NO** Not applicable

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

**Proper shipping name** Not applicable  
**Status** Not applicable  
**Packing group** Not applicable

**IMDG (Marine Transport): Classification:** Not regulated

**Proper shipping name** Not applicable  
**Class** Not applicable  
**Subsidiary Risk** Not applicable  
**Packing group** Not applicable  
**IMDG Page** Not applicable  
**Marine pollutant** Not applicable  
**EMS** Not applicable  
**MFAG** Not applicable  
**Maximum Quantity** Not applicable

**IATA/ICAO (Air): Classification:** Not regulated

**Proper shipping name** Not applicable  
**Class** Not applicable  
**Subsidiary Risk:** Not applicable  
**Packing group** Not applicable  
**Maximum Quantity** Not applicable

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## 15. Regulatory Information

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**US Federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Product Registration: Not registered

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

Potassium hydroxide	1310-58-3	1000 Lb final RQ; 454 kg final RQ
Sodium hypochlorite	7681-52-9	100 Lb final RQ; 45.4 kg final RQ

**U.S. - CWA (Clean Water Act) - Hazardous Substances**

Potassium hydroxide	1310-58-3	Present
Sodium hypochlorite	7681-52-9	Present

**Occupational Safety and Health Administration (OSHA)**

29 CFR 1910.1200 hazardous chemical Yes

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Not available

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

Potassium hydroxide 1310-58-3 Present  
 Sodium hypochlorite 7681-52-9 Present

**U.S. - Louisiana - Reportable Quantity List for Pollutants**

Potassium hydroxide 1310-58-3 1000 Lb final RQ; 454 kg final RQ  
 Sodium hypochlorite 7681-52-9 100 Lb final RQ; 45.4 kg final RQ

**U.S. - Massachusetts - Right To Know List**

Potassium hydroxide 1310-58-3 Present  
 Sodium hypochlorite 7681-52-9 Present

**U.S. - Minnesota - Hazardous Substance List**

Potassium hydroxide 1310-58-3 Present  
 Sodium hypochlorite 7681-52-9 Present

**U.S. - New Jersey - Right to Know Hazardous Substance List**

Potassium hydroxide 1310-58-3 sn 1571  
 Sodium hypochlorite 7681-52-9 sn 1707

**U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances**

Potassium hydroxide 1310-58-3 1000 Lb RQ (air); 100 lb RQ (land/water)  
 Sodium hypochlorite 7681-52-9 100 Lb RQ (air); 100 lb RQ (land/water)

**U.S. - Pennsylvania - RTK (Right to Know) List**

Potassium hydroxide 1310-58-3 Environmental hazard  
 Sodium hypochlorite 7681-52-9 Environmental hazard

**U.S. - Rhode Island - Hazardous Substance List**

Potassium hydroxide 1310-58-3 Toxic; Flammable

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information****Disclaimer**

This product should only be used as directed on the label and for the purpose intended. 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.

**Further information**

51700-79350 - 75 oz. - FINISH® GEL Fresh Scent - 0056445  
 51700-75708 - 75 oz. - FINISH® GEL Lemon Scent - 0056445  
 51700-76611 - 75 oz. - FINISH® GEL Orange Scent - 0204431

**Issue date**

16-Apr-2010

**Effective date**

15-Apr-2010

**Prepared by**

Reckitt Benckiser Regulatory Department 800-333-3899

**Other information**

For an updated MSDS, please contact the supplier/maker listed on the first page of the document.