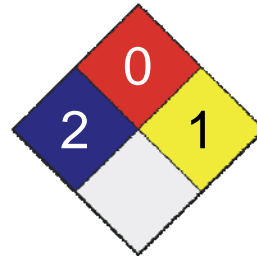


### 1. Product and Company Identification

**Product Name** RESOLVE® MAX (formerly SPRAY'N WASH®) - Trigger/Refill  
**UPC CODES** Refer to Section 16  
**CAS #** Mixture  
**Product use** Stain remover  
**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<br>HMIS/NFPA |   |
|---------------------|---|
| Severe              | 4 |
| Serious             | 3 |
| Moderate            | 2 |
| Slight              | 1 |
| Minimal             | 0 |

|                     |     |
|---------------------|-----|
| Health              | / 2 |
| Flammability        | 0   |
| Physical Hazard     | 1   |
| Personal Protection | B   |



### 2. Hazards Identification

**Emergency overview** WARNING  
 EYE AND SKIN IRRITANT.  
 MAY BE HARMFUL IF SWALLOWED.  
 Do not get in eyes, on skin or ingest.  
 May be severely irritating to eyes.  
 Wash hands after use.  
 DO NOT treat garments while wearing.  
  
 KEEP OUT OF REACH OF CHILDREN.

**Potential short term health effects**  
**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.  
**Eyes** May be severe eye irritant (raw materials information).  
**Skin** Skin irritant. (raw materials information).  
 Not expected to be a skin sensitizer.  
**Inhalation** None expected during normal conditions of use.  
**Ingestion** May be harmful by ingestion. (Oral LD 500-5000 mg/kg) (raw materials information).  
**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.  
 Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### 3. Composition / Information on Ingredients

| Ingredient(s)                                  | CAS #      | Percent  |
|--|------------|----------|
| Alcohols, C12-16, ethoxylated                  | 68551-12-2 | 2.5 - 10 |
| Benzenesulfonic acid, C10-16-alkyl derivatives | 68584-22-5 | 2.5 - 10 |
| Hydrogen peroxide                              | 7722-84-1  | 2.5 - 10 |
| Sodium cumenesulfonate                         | 28348-53-0 | 1 - 2.5  |

---

## 4. First Aid Measures

---

### 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.   |
| <b>Skin contact</b>       | If on skin, wash with soap and water. If irritation develops, get medical attention.  |
| <b>Inhalation</b>         | Move person to fresh air. If the person feels unwell, call a physician or Poison Control Center.  |
| <b>Ingestion</b>          | If swallowed, rinse mouth and drink a glass of water. Call a physician or Poison Control Centre.  |
| <b>Notes to physician</b> | Symptoms may be delayed.  |
| <b>General advice</b>     | 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. |

---

## 5. Fire Fighting Measures

---

|   |   |
|---|---|
| <b>Flammable properties</b>                       | Not flammable by OSHA criteria. (based on raw material data)                                    |
| <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 carbon.   |
| <b>Explosion data</b>                             |   |
| <b>Sensitivity to mechanical impact</b>           | Not available   |
| <b>Sensitivity to static discharge</b>            | Not available   |

---

## 6. Accidental Release Measures

---

|                                |   |
|--------------------------------|---|
| <b>Personal precautions</b>    | Avoid contact with eyes.<br>Keep unnecessary personnel away.<br>Do not touch or walk through spilled material.<br>Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.<br>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. |

---

## 7. Handling and Storage

---

|                 |   |
|-----------------|---|
| <b>Handling</b> | WARNING. EYE AND SKIN IRRITANT.<br>May be severely irritating to eyes.<br>MAY BE HARMFUL IF SWALLOWED.<br>Do not get in eyes, on skin or ingest.<br>When using do not eat or drink.<br>Wash hands before breaks and immediately after handling the product. |
| <b>Storage</b>  | Keep out of reach of children.<br>Store in a closed container away from incompatible materials.<br>Store in a cool dry place inaccessible to children and pets.   |

---

## 8. Exposure Controls / Personal Protection

| Exposure limits                                |  |
|--|--|
| Ingredient(s)                                  | Exposure Limits  |
| Alcohols, C12-16, ethoxylated                  | <b>ACGIH-TLV</b><br>Not established<br><b>OSHA-PEL</b><br>Not established  |
| Benzenesulfonic acid, C10-16-alkyl derivatives | <b>ACGIH-TLV</b><br>Not established<br><b>OSHA-PEL</b><br>Not established  |
| Hydrogen peroxide                              | <b>ACGIH-TLV</b><br>TWA: 1 ppm<br><b>OSHA-PEL</b><br>TWA: 1 ppm  |
| Sodium cumenesulfonate                         | <b>ACGIH-TLV</b><br>Not established<br><b>OSHA-PEL</b><br>Not established  |
| <b>Engineering controls</b>                    | General ventilation normally adequate.   |
| <b>Personal protective equipment</b>           |  |
| <b>Eye / face protection</b>                   | Not normally required under normal use conditions.<br>When handling in large quantities or responding to emergency situations, the use of appropriate eye protection is recommended.<br>Emergency responders should wear full eye and face protection. |
| <b>Hand protection</b>                         | No special requirements under normal use conditions.<br>For sensitive skin or prolonged use, wear rubber gloves.<br>Emergency responders should wear impermeable gloves.   |
| <b>Skin and body protection</b>                | As required by employer code.<br>Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.  |
| <b>Respiratory protection</b>                  | Not normally required under normal use conditions.<br>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.                 |
| <b>General hygiene considerations</b>          | Handle in accordance with good industrial hygiene and safety practice.<br>When using do not eat or drink.<br>Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.      |

## 9. Physical and Chemical Properties

|                                  |                   |
|----------------------------------|-------------------|
| <b>Appearance</b>                | Clear.            |
| <b>Color</b>                     | Colorless         |
| <b>Form</b>                      | Liquid            |
| <b>Odor</b>                      | Perfume           |
| <b>Odor threshold</b>            | Not available     |
| <b>Physical state</b>            | Liquid            |
| <b>pH</b>                        | 3.5 ± 0.5 (as is) |
| <b>Freezing point</b>            | Not available     |
| <b>Boiling point</b>             | Not available     |
| <b>Pour point</b>                | Not available     |
| <b>Evaporation rate</b>          | Not available     |
| <b>Flash point</b>               | Not available     |
| <b>Auto-ignition temperature</b> | Not available     |

|   |                   |
|---|-------------------|
| <b>Flammability limits in air, lower, % by volume</b> | Not available     |
| <b>Flammability limits in air, upper, % by volume</b> | Not available     |
| <b>Vapor pressure</b>                                 | Not available     |
| <b>Vapor density</b>                                  | Not available     |
| <b>Specific gravity</b>                               | 1.005 - 1.015     |
| <b>Octanol/water coefficient</b>                      | Not available     |
| <b>Solubility (H2O)</b>                               | High              |
| <b>Viscosity</b>                                      | <1000 (CPs, 20°C) |

## 10. Stability and Reactivity

|   |   |
|---|---|
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.                                |
| <b>Conditions to avoid</b>                | DO NOT MIX WITH BLEACH or use in conjunction with other household products. |
| <b>Incompatible materials</b>             | Oxidizers. Caustics.  |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of carbon.                       |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.                                    |

## 11. Toxicological Information

### Component analysis - LC50

| Ingredient(s)                                  | LC50          |
|--|---------------|
| Alcohols, C12-16, ethoxylated                  | Not available |
| Benzenesulfonic acid, C10-16-alkyl derivatives | Not available |
| Hydrogen peroxide                              | Not available |
| Sodium cumenesulfonate                         | Not available |

### Component analysis - Oral LD50

| Ingredient(s)                                  | LD50                           |
|--|--------------------------------|
| Alcohols, C12-16, ethoxylated                  | 1380 mg/kg rat                 |
| Benzenesulfonic acid, C10-16-alkyl derivatives | 530 mg/kg rat                  |
| Hydrogen peroxide                              | 75 mg/kg rat; 2000 mg/kg mouse |
| Sodium cumenesulfonate                         | 7000 mg/kg rat                 |

### Effects of acute exposure

|                        |  |
|------------------------|--|
| <b>Eye</b>             | May be severe eye irritant (raw materials information).                              |
| <b>Skin</b>            | Skin irritant. (raw materials information).<br>Not expected to be a skin sensitizer. |
| <b>Inhalation</b>      | None expected during normal conditions of use.                                       |
| <b>Ingestion</b>       | May be harmful by ingestion. (Oral LD 500-5000 mg/kg) (raw materials information).   |
| <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.                 |

#### ACGIH - Threshold Limit Values - Carcinogens

Hydrogen peroxide 7722-84-1 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

#### IARC - Group 3 (Not Classifiable)

Hydrogen peroxide 7722-84-1 Monograph 71 [1999]; Supplement 7 [1987]; Monograph 36 [1985]

|                              |  |
|------------------------------|--|
| <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  |

---

## 12. Ecological Information

---

**Ecotoxicity** Contained surfactants are ultimate aerobically biodegradable according to method OECD 301.

### Ecotoxicity - Freshwater Algae - Acute Toxicity Data

|                        |            |  |
|------------------------|------------|--|
| Hydrogen peroxide      | 7722-84-1  | 72 Hr EC50 Chlorella vulgaris: 2.5 mg/L        |
| Sodium cumenesulfonate | 28348-53-0 | 72 Hr EC50 Desmodesmus subspicatus: >1000 mg/L |

### Ecotoxicity - Freshwater Fish - Acute Toxicity Data

|  |            |   |
|--|------------|---|
| Benzenesulfonic acid, C10-16-alkyl derivatives | 68584-22-5 | 96 Hr LC50 Oncorhynchus mykiss: 3 mg/L [static]   |
| Hydrogen peroxide                              | 7722-84-1  | 96 Hr LC50 Pimephales promelas: 16.4 mg/L; 96 Hr LC50 Lepomis macrochirus: 18-56 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 10.0-32.0 mg/L [static] |

### Ecotoxicity - Water Flea - Acute Toxicity Data

|  |            |   |
|--|------------|---|
| Benzenesulfonic acid, C10-16-alkyl derivatives | 68584-22-5 | 48 Hr EC50 Daphnia magna: 2.9 mg/L  |
| Hydrogen peroxide                              | 7722-84-1  | 24 Hr EC50 Daphnia magna: 7.7 mg/L; 48 Hr EC50 Daphnia magna: 18 - 32 mg/L [Static] |
| Sodium cumenesulfonate                         | 28348-53-0 | 24 Hr EC50 Daphnia magna: >1000 mg/L  |

|  |               |
|--|---------------|
| <b>Environmental effects</b>           | Not available |
| <b>Aquatic toxicity</b>                | Not available |
| <b>Persistence / degradability</b>     | Not available |
| <b>Bioaccumulation / accumulation</b>  | Not available |
| <b>Partition coefficient</b>           | Not available |
| <b>Mobility in environmental media</b> | Not available |
| <b>Chemical fate information</b>       | Not available |

---

## 13. Disposal Considerations

---

|  |  |
|--|--|
| <b>Waste codes</b>                           | Not available  |
| <b>Disposal instructions</b>                 | Dispose in accordance with all applicable regulations. |
| <b>Waste from residues / unused products</b> | Not available  |
| <b>Contaminated packaging</b>                | Not available  |

---

## 14. Transport Information

---

|   |                |
|---|----------------|
| <b>UN/ID N.o.</b>   | Not applicable |
| <b>U.S. Department of Transportation (DOT): Classification:</b> | Not regulated  |
| <b>Proper shipping name</b>                                     | Not applicable |
| <b>U.S. DOT Hazard Class</b>                                    | Not applicable |
| <b>Subsidiary Risk</b>  | Not applicable |
| <b>Packing group</b>  | Not applicable |
| <b>DOT RQ (lbs)</b>   | Not applicable |
| <b>ERG NO</b>   | 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

---

## 15. Regulatory Information

---

**US Federal regulations**

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

Product Registration: Product is compliant with CPSC regulatory guidelines; a specific registration is not required for this product.

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

Hydrogen peroxide 7722-84-1 1000 Lb EPCRA RQ (concentration >52%)

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

Hydrogen peroxide 7722-84-1 1000 Lb TPQ (concentration >52%)

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

**29 CFR 1910.1200 hazardous chemical** Yes

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

|  |  |
|--|--|
| <b>Hazard categories</b>                         | Immediate Hazard - Yes<br>Delayed Hazard - No<br>Fire Hazard - No<br>Pressure Hazard - No<br>Reactivity Hazard - No                  |
| <b>Section 302 extremely hazardous substance</b> | No   |
| <b>Section 311 hazardous chemical</b>            | Yes  |
| <b>Clean Air Act (CAA)</b>                       | Not available  |
| <b>Clean Water Act (CWA)</b>                     | Not available  |
| <b>State regulations</b>                         | 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

Hydrogen peroxide 7722-84-1 Present

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

Hydrogen peroxide 7722-84-1 Extraordinarily hazardous

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

Hydrogen peroxide 7722-84-1 Present (includes Hydrogen Peroxide [90%])

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

Hydrogen peroxide 7722-84-1 sn 1015

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

Hydrogen peroxide 7722-84-1 1 Lb RQ (air); 1 lb RQ (land/water)

### U.S. - Ohio - Extremely Hazardous Substances - Threshold Quantities

Hydrogen peroxide 7722-84-1 500 Lb TQ (concentration >52%)

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

Hydrogen peroxide 7722-84-1 Environmental hazard (concentration >52%)

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

Hydrogen peroxide 7722-84-1 Toxic; Flammable

### U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Reportable Quantities

Hydrogen peroxide 7722-84-1 1000 Lb RQ

### U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Threshold Planning Quantities

Hydrogen peroxide 7722-84-1 1000 Lb TPQ (concentration >52%)

## 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

62338-82843 - 32 oz. - RESOLVE® MAX (formerly SPRAY'N WASH®) - Refill - 0129047  
62338-81268 - 16 oz. - RESOLVE® MAX (formerly SPRAY'N WASH®) - Trigger - 0129047  
62338-80966 - 12 oz. - RESOLVE® MAX (formerly SPRAY'N WASH®) - Trigger - 0129047

### Issue date

23-Aug-2010

### Effective date

15-Aug-2010

### Prepared by

Reckitt Benckiser Regulatory Department 800-333-3899

### Other information

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