1. Product and Company Identification

Product Name: RESOLVE® Triple Oxi Advanced Trigger

UPC CODES: Refer to Section 16

CAS #: Mixture

Product use: Carpet care

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

2. Hazards Identification

Emergency overview
CAUTION
EYE IRRITANT. MAY CAUSE SKIN IRRITATION.
Do not get directly in eyes or on skin.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

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

Eyes
Eye irritant. (based on raw material data)

Skin
May cause skin irritation. (based on raw material data)
Not expected to be a skin sensitizer.

Inhalation
Not harmful. (based on raw material data)

Ingestion
Not harmful (calculated LD50 > 5000 mg/kg)

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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol ethoxylate C4-C8, 5EO</td>
<td>Proprietary</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>&lt; 2.5</td>
</tr>
<tr>
<td>Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts</td>
<td>68585-47-7</td>
<td>&lt; 2.5</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact
In case of eye contact, IMMEDIATELY rinse with plenty of water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation persists, get medical attention.
Skin contact

In case of skin contact, wash area with plenty of soap and water. If irritation occurs, get medical attention.

Inhalation

In case of accident, move the person to fresh air. Use only as directed.

Ingestion

If swallowed, DO NOT induce vomiting. Call a physician or Poison Control Centre IMMEDIATELY.

Notes to physician

Symptoms may be delayed.

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.

5. Fire Fighting Measures

Flammable properties

Not flammable by OSHA criteria.

Extinguishing media

Suitable extinguishing media

Water spray. Foam. Dry chemical.

Unsuitable extinguishing media

Not available

Protection of firefighters

Specific hazards arising from the chemical

Not available

Protective equipment for firefighters

Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and are not limited to: Oxides of carbon.

Explosion data

Sensitivity to mechanical impact

Not available

Sensitivity to static discharge

Not available

6. Accidental Release Measures

Personal precautions

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.

Methods for containment

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

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

Handling

Avoid contact with eyes and skin. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

Storage

Keep out of reach of children.

Store in original container in a cool, secure area inaccessible to children and pets.
8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
</table>
| Alcohol ethoxylate C4-C8, 5EO | ACGIH-TLV Not established  
OSHA-PEL Not established |
| Hydrogen peroxide | ACGIH-TLV TWA: 1 ppm  
OSHA-PEL TWA: 1 ppm |
| Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts | ACGIH-TLV Not established  
OSHA-PEL Not established |

**Engineering controls**
General ventilation normally adequate.

**Personal protective equipment**

<table>
<thead>
<tr>
<th>Protection</th>
<th>Requirement</th>
</tr>
</thead>
</table>
| Eye / face protection | Not normally required under normal use conditions.  
Emergency responders should wear full eye and face protection. |
| Hand protection       | No special requirements under normal use conditions.  
Emergency responders should wear impermeable gloves. |
| Skin and body protection | As required by employer code.  
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.  
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**
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Color</td>
<td>Pale amber to Colorless</td>
</tr>
<tr>
<td>Form</td>
<td>aqueous solution</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>5.3 - 5.7 (10% solution)</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 140.00 °F (&gt; 60 °C)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.000 - 1.020 g/mL</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>DO NOT MIX WITH BLEACH or use in conjunction with other household products.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>May include and are not limited to: Oxides of carbon.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
</tbody>
</table>

11. Toxicological Information

### Component analysis - LC50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol ethoxylate C4-C8, 5EO</td>
<td>1 mg/l/4h rat</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>Not available</td>
</tr>
<tr>
<td>Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol ethoxylate C4-C8, 5EO</td>
<td>830 mg/kg rat</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>75 mg/kg rat; 2000 mg/kg mouse</td>
</tr>
<tr>
<td>Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts</td>
<td>1300 mg/kg rat</td>
</tr>
</tbody>
</table>

### Effects of acute exposure

**Eye**
- Eye irritant. (based on raw material data)

**Skin**
- May cause skin irritation. (based on raw material data)
- Not expected to be a skin sensitizer.

**Inhalation**
- Not harmful. (based on raw material data)

**Ingestion**
- Not harmful (calculated LD50 > 5000 mg/kg)

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

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

**Carcinogenicity**
- 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)
- Hydrogen peroxide: 7722-84-1 (Monograph 71 [1999]; Supplement 7 [1987]; Monograph 36 [1985])

#### Mutagenicity

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

#### Reproductive effects

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

#### Teratogenicity

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

#### Synergistic Materials

- Not available

12. Ecological Information

### Ecotoxicity

**Ecotoxicity - Freshwater Algae Data**

| Hydrogen peroxide | 7722-84-1 | 72 Hr EC50 Chlorella vulgaris: 2.5 mg/L |

**Ecotoxicity - Freshwater Fish Species Data**

| 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 Data**

| Hydrogen peroxide | 7722-84-1 | 24 Hr EC50 Daphnia magna: 7.7 mg/L; 48 Hr EC50 Daphnia magna: 18 - 32 mg/L [Static] |

### Environmental effects

- Not available

### Aquatic toxicity

- Not available

### Persistence / degradability

- Not available
13. Disposal Considerations

<table>
<thead>
<tr>
<th>Description</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste codes</td>
<td>Not available</td>
</tr>
<tr>
<td>Disposal instructions</td>
<td>Dispose in accordance with all applicable regulations.</td>
</tr>
<tr>
<td>Waste from residues / unused products</td>
<td>Not available</td>
</tr>
<tr>
<td>Contaminated packaging</td>
<td>Not available</td>
</tr>
</tbody>
</table>

14. Transport Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN/ID N.o.</td>
<td>Not applicable</td>
</tr>
<tr>
<td>U.S. Department of Transportation (DOT): Classification:</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>U.S. DOT Hazard Class</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Subsidiary Risk</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>DOT RQ (lbs)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>ERG NO</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transportation of Dangerous Goods (TDG - Canada): Classification:</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Status</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>IMDG (Marine Transport): Classification:</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Class</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Subsidiary Risk</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>IMDG Page</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>Not applicable</td>
</tr>
<tr>
<td>EMS</td>
<td>Not applicable</td>
</tr>
<tr>
<td>MFAG</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Maximum Quantity</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
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

Product Registration: Not registered

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

CERCLA (Superfund) reportable quantity

None

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
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

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

19200-00601 - 22 fl. oz. - RESOLVE® Triple Oxi Advanced Trigger - 0247446

Issue date
30-Apr-2010

Effective date
30-Apr-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.