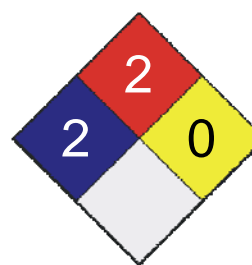


1. Product and Company Identification

**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

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

Health	/ 2
Flammability	2
Physical Hazard	0
Personal Protection	B



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

Ingredient(s)	CAS #	Percent
Alcohol ethoxylate C4-C8, 5EO	Proprietary	0.1 - 1
Hydrogen peroxide	7722-84-1	< 2.5
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts	68585-47-7	< 2.5

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.

<b>Skin contact</b>	In case of skin contact, wash area with plenty of soap and water. If irritation occurs, get medical attention.
<b>Inhalation</b>	In case of accident, move the person to fresh air. Use only as directed.
<b>Ingestion</b>	If swallowed, DO NOT induce vomiting. Call a physician or Poison Control Centre IMMEDIATELY.
<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.

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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>	Water spray. Foam. Dry chemical.
<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

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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 and skin. 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. Store in original container in a cool, secure area inaccessible to children and pets.



## 8. Exposure Controls / Personal Protection

### Exposure limits

Ingredient(s)	Exposure Limits
Alcohol ethoxylate C4-C8, 5EO	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Hydrogen peroxide	<b>ACGIH-TLV</b> TWA: 1 ppm <b>OSHA-PEL</b> TWA: 1 ppm
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> 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. Emergency responders should wear full eye and face protection.
<b>Hand protection</b>	No special requirements under normal use conditions. Emergency responders should wear impermeable gloves.
<b>Skin and body protection</b>	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.
<b>Respiratory protection</b>	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.
<b>General hygiene considerations</b>	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>	Pale amber to Colorless
<b>Form</b>	aqueous solution
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	5.3 - 5.7 (10% solution)
<b>Freezing point</b>	Not available
<b>Pour point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flash point</b>	> 140.00 °F (> 60 °C)
<b>Evaporation rate</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>	1.000 - 1.020 g/mL
<b>Octanol/water coefficient</b>	Not available

Solubility (H2O)	Complete
Auto-ignition temperature	Not available
Viscosity	Water thin

## 10. Stability and Reactivity

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

## 11. Toxicological Information

### Component analysis - LC50

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

### Component analysis - Oral LD50

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

### Effects of acute exposure

<b>Eye</b>	Eye irritant. (based on raw material data)
<b>Skin</b>	May cause skin irritation. (based on raw material data) Not expected to be a skin sensitizer.
<b>Inhalation</b>	Not harmful. (based on raw material data)
<b>Ingestion</b>	Not harmful (calculated LD50 > 5000 mg/kg)
<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.
<b>ACGIH - Threshold Limit Values - Carcinogens</b>	
Hydrogen peroxide	7722-84-1 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
<b>IARC - Group 3 (Not Classifiable)</b>	
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

<b>Ecotoxicity</b>	See below
<b>Ecotoxicity - Freshwater Algae Data</b>	
Hydrogen peroxide	7722-84-1 72 Hr EC50 Chlorella vulgaris: 2.5 mg/L
<b>Ecotoxicity - Freshwater Fish Species Data</b>	
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]
<b>Ecotoxicity - Water Flea Data</b>	
Hydrogen peroxide	7722-84-1 24 Hr EC50 Daphnia magna: 7.7 mg/L; 48 Hr EC50 Daphnia magna: 18 - 32 mg/L [Static]
<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

**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.  
CERCLA/SARA Hazardous Substances - Not applicable.

**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**

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)

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## 16. Other Information

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**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.

