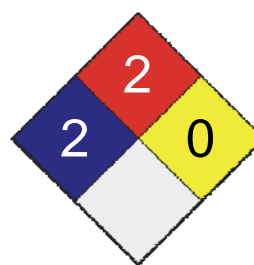


1. Product and Company Identification

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.

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

Exposure limits

Ingredient(s)	Exposure Limits
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	
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

Appearance	Clear.
Color	Pale amber to Colorless
Form	aqueous solution
Odor	Characteristic
Odor threshold	Not available
Physical state	Liquid
pH	5.3 - 5.7 (10% solution)
Freezing point	Not available
Pour point	Not available
Boiling point	Not available
Flash point	> 140.00 °F (> 60 °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
Specific gravity	1.000 - 1.020 g/mL
Octanol/water coefficient	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

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
IARC - Group 3 (Not Classifiable)	
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	See below
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

Bioaccumulation / accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

13. Disposal Considerations

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

15. Regulatory Information

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)		

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.

