

## 1. Product and Company Identification

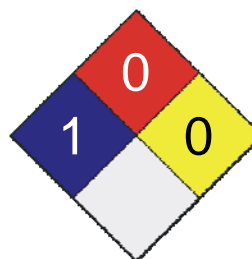
**Product Name** RESOLVE® Pet Stains Carpet Stain Remover - Trigger  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the Canadian Workplace Hazardous Materials Information System (WHMIS).**  
**This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

**Product Use** Carpet care

**Distributed by** Reckitt Benckiser (Canada) Inc.  
 1680 Tech Avenue Unit #2  
 Mississauga, ON L4W 5S9  
 In Case of Emergency: 1-800-338-6167  
 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	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	A



## 2. Hazards Identification

**Emergency Overview** CAUTION  
 MAY IRRITATE EYES AND SKIN.  
 Do not get in eyes, on skin or on clothing. Do not breathe fumes.

Keep out of reach of children.

### Potential short term health effects

**Routes of exposure**

Eye, Skin contact, Inhalation, Ingestion.

**Eyes**

None expected during normal conditions of use.  
 May cause eye irritation upon direct contact with the eyes.

**Skin**

May cause skin irritation. Not expected to be a skin sensitizer.

**Inhalation**

None expected during normal conditions of use.

**Ingestion**

Do not ingest. May be harmful if swallowed.

**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, oedema, drying, defatting and cracking of the skin.

**Potential environmental effects**

See section 12.

## 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts	68585-47-7	1 - 5
Hydrogen peroxide	7722-84-1	1 - 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 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, rinse well with water. If irritation develops, get medical attention.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	If swallowed, rinse mouth and drink a glass of water. Call a Poison Control Centre or doctor IMMEDIATELY. Do not induce vomiting. Never give anything by mouth to an unconscious person.

### 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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### Flammable properties

Not flammable by WHMIS criteria.

### Extinguishing media

<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	Not available

### Protection of firefighters

<b>Specific hazards arising from the chemical</b>	Not available
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<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
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### Hazardous combustion products

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

### Explosion data

<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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### 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.

### Environmental precautions

Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.

### 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.

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## 7. Handling and Storage

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### Handling

**CAUTION**  
Ensure adequate ventilation.  
Do not get in eyes, on skin or on clothing.  
Use good industrial hygiene practices in handling this material.  
When using do not eat or drink.  
Wash hands before breaks and immediately after handling the product.  
Limit access to pets when cleaning.  
Before cleaning test a hidden section of carpet for colourfastness.  
**DO NOT MIX WITH BLEACH** or use in conjunction with other household products.

### Storage

Keep out of reach of children.  
Keep from freezing. Keep away from direct sunlight.  
Keep at temperatures below 40°C (104°F). Keep containers tightly closed in a dry, cool and well-ventilated place.  
Do not reuse container.

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## 8. Exposure Controls / Personal Protection

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### Exposure limit values

Ingredient(s)	Exposure limit values
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Hydrogen peroxide	<b>ACGIH-TLV</b> TWA: 1 ppm
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Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts	<b>ACGIH-TLV</b> Not established
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### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

**Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.**

#### Eye / face protection

Avoid contact with eyes.  
Emergency responders should wear full eye and face protection.

#### Hand protection

Impervious gloves. Confirm with reputable supplier first.  
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

None 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

Avoid contact with eyes, skin and clothing.  
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	Clear Spray
Colour	Light yellow
Form	Liquid
Odour	Characteristic
Odour threshold	Not available
Physical state	Liquid
pH	5.50 ± 0.2
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation Rate	Not available
Flash point	> 93.3 °C (> 199.94 °F) Tagliabue
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability Limits in Air, Upper, % by Volume	Not available
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	1.000 - 1.020
Octanol/water coefficient	Not available
Viscosity	Water thin

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## 10. Stability and Reactivity

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### Reactivity

DO NOT MIX WITH BLEACH or use in conjunction with other household products.

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<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Keep from freezing. Excessive heat. Exposure to moisture.
<b>Incompatible materials</b>	Oxidizers. Acids.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Hydrogen peroxide	Not available
Sulfuric acid, mono-C10-C16 alkyl esters, sodium salts	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
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>	None expected during normal conditions of use. May cause eye irritation upon direct contact with the eyes.
<b>Skin</b>	May cause skin irritation. Not expected to be a skin sensitizer.
<b>Inhalation</b>	None expected during normal conditions of use.
<b>Ingestion</b>	Do not ingest. May be harmful if swallowed.
<b>Sensitisation</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>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>Name of Toxicologically Synergistic Products</b>	Not available

## 12. Ecological Information

<b>Ecotoxicity</b>	See below
<b>Ecotoxicity - Freshwater Algae - Acute Toxicity Data</b>	
Hydrogen peroxide	7722-84-1 72 Hr EC50 Chlorella vulgaris: 2.5 mg/L
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity 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 - Acute Toxicity 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>Persistence and degradability</b>	Not available
<b>Bioaccumulation/accumulation</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Chemical fate information</b>	Not available
<b>Other adverse effects</b>	Not available

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Empty container can be disposed of as household trash or rinsed and recycled.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	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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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

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

**Canada - WHMIS - Ingredient Disclosure List**

Hydrogen peroxide 7722-84-1 1 %

**WHMIS classification** Exempt - Consumer product

**Inventory Status**

<b>Country(s) or region</b>	<b>Inventory Name</b>	<b>On Inventory (Yes/No)*</b>
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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** RESOLVE® Pet Stains Carpet Stain Remover - Trigger, 650 mL - 0279792v1.0

**Issue date** 23-May-2013

**Effective Date** 15-May-2013

**Expiry Date** 15-May-2016

**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.