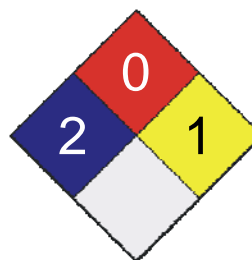


## 1. Product and Company Identification

**Product Name** RESOLVE® Oxi Action - Trigger  
**UPC CODES** Refer to Section 16  
**CAS #** Mixture  
**Product Use** Stain remover  
**Distributed by** Reckitt Benckiser (Canada) Inc.  
 1680 Tech Avenue Unit #2  
 Mississauga, ON L4W 5S9  
 In Case of Emergency: 1-800-888-0192  
 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	0
Physical Hazard	1
Personal Protection	B



## 2. Hazards Identification

**Emergency Overview** CAUTION  
 IRRITANT.  
 MAY IRRITATE EYES AND SKIN.  
 Do not get 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

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, oedema, 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
Sodium cumenesulfonate	28348-53-0	1 - 5
Hydrogen peroxide	7722-84-1	1 - 5
Alkylarylsulfonic acid	68584-22-5	3 - 7
Alcohols, C12-16, ethoxylated	68551-12-2	5 - 10

## 4. First Aid Measures

### First aid procedures

#### Eye contact

If in eyes, rinse eyes with plenty of water.

<b>Skin contact</b>	If on skin, rinse well with water.
<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, call a Poison Control Centre or doctor immediately. DO NOT induce vomiting.
<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 WHMIS 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. 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.

## 7. Handling and Storage

<b>Handling</b>	CAUTION EYE AND SKIN IRRITANT.  Do not get in eyes or on skin. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials. Store in a cool dry place inaccessible to children and pets.

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## 8. Exposure Controls / Personal Protection

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### Exposure limit values

Ingredient(s)	Exposure limit values
Alcohols, C12-16, ethoxylated	<b>ACGIH-TLV</b> Not established
Alkylarylsulfonic acid	<b>ACGIH-TLV</b> Not established
Hydrogen peroxide	<b>ACGIH-TLV</b> TWA: 1 ppm
Sodium cumenesulfonate	<b>ACGIH-TLV</b> Not established

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye/Face protection

Not normally required under normal use conditions.  
When handling in large quantities or responding to emergency situations, the use of appropriate eye protection is recommended.  
Emergency responders should wear full eye and face protection.

#### Hand protection

No special requirements under normal use conditions.  
For sensitive skin or prolonged use, wear rubber gloves.  
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 under normal use conditions.  
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

Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.  
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.
Colour	Colourless
Form	Liquid
Odour	Perfume
Odour threshold	Not available
Physical state	Liquid
pH	3.5 ± 0.5 (as is)
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation Rate	Not available
Flash point	Not available
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	1.005 - 1.015
Octanol/water coefficient	Not available

**Solubility (H2O)** High  
**Viscosity** <1000 (cPs, 20°C)

## 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** Oxidizers. Caustics.  
**Hazardous decomposition products** May include and are not limited to: Oxides of carbon.  
**Possibility of hazardous reactions** Hazardous polymerisation does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Alcohols, C12-16, ethoxylated	Not available
Alkylarylsulfonic acid	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
Alkylarylsulfonic acid	530 mg/kg rat
Hydrogen peroxide	75 mg/kg rat; 2000 mg/kg mouse
Sodium cumenesulfonate	7000 mg/kg rat

### Effects of acute exposure

**Eye** 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).

**Sensitisation** 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

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## 12. Ecological Information

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**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

Alkylarylsulfonic acid 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

Alkylarylsulfonic acid 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

**Environmental effects** Not available  
**Aquatic toxicity** Not available  
**Persistence and degradability** Not available  
**Bioaccumulation/accumulation** Not available  
**Partition coefficient** Not available  
**Mobility in environmental media** Not available  
**Chemical fate information** Not available  
**Other adverse effects** Not available

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## 13. Disposal Considerations

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

62200-82685 - 650 mL - RESOLVE® Oxi Action - Trigger - 0129047

**Issue date**

23-Aug-2010

**Effective Date**

15-Aug-2010

**Expiry Date**

15-Aug-2013

**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.