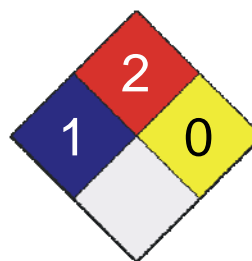


## 1. Product and Company Identification

**Product Name** Professional RESOLVE® Carpet Extraction/Traffic Lane Cleaner/Pretreatment Concentrate - Use dilution  
**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	/ 1
Flammability	2
Physical Hazard	0
Personal Protection	A



## 2. Hazards Identification

**Emergency overview** CAUTION  
 COMBUSTIBLE  
 Keep away from heat, spark and open flame.  
 Avoid contact with eyes.  
  
 KEEP OUT OF REACH OF CHILDREN.

**Potential short term health effects**  
**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.  
**Eyes** Avoid contact with eyes.  
**Skin** None expected during normal conditions of use.  
**Inhalation** None expected during normal conditions of use.  
**Ingestion** Calculated oral 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
Carbonic acid, sodium salt (2:3)	533-96-0	2.5 - 10
Dipropylene glycol monobutyl ether	29911-28-2	2.5 - 10
Isopropanol	67-63-0	2.5 - 10

## 4. First Aid Measures

**First aid procedures**  
**Eye contact** If splashed in eyes, IMMEDIATELY rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation persists, call a physician.

<b>Skin contact</b>	In case of skin contact, wash with soap and water, to prevent any irritation. If irritation occurs, get medical attention.
<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, rinse mouth and drink a glass of water. Contact a physician or poison control center if symptoms develop. NEVER give an unconscious person anything to ingest.
<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>	Combustible by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water spray. Foam. Dry chemical. Carbon dioxide.
<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>	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 COMBUSTIBLE Keep away from heat, sparks and open flame. Avoid contact with eyes.
<b>Storage</b>	Store in original container in a cool, secure area inaccessible to children and pets. Keep from freezing.

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## 8. Exposure Controls / Personal Protection

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### Exposure limits

Ingredient(s)	Exposure Limits
Carbonic acid, sodium salt (2:3)	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Dipropylene glycol monobutyl ether	<b>ACGIH-TLV</b> Mist: 10 mg/m <sup>3</sup> <b>OSHA-PEL</b> Not established
Isopropanol	<b>ACGIH-TLV</b> TWA: 200 ppm STEL: 400 ppm <b>OSHA-PEL</b> TWA: 400 ppm

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

Avoid contact with eyes.  
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 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

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.
Color	Straw
Form	Liquid
Odor	Citrus.
Odor threshold	Not available
Physical state	Liquid
pH	9.9 ± 0.23 (as is)
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	116.96 °F (47.2 °C) Tagliabue
Auto-ignition temperature	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	1.010 ± 0.015

<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	High
<b>Viscosity</b>	50 ± 5 (Brookfield LVT, spindle 2, 30 rpm)

## 10. Stability and Reactivity

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

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Carbonic acid, sodium salt (2:3)	Not available
Dipropylene glycol monobutyl ether	Not available
Isopropanol	16970 mg/l/4h rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Carbonic acid, sodium salt (2:3)	5600 mg/kg rat
Dipropylene glycol monobutyl ether	3700 mg/kg rat
Isopropanol	4396 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	Avoid contact with eyes.
<b>Skin</b>	None expected during normal conditions of use.
<b>Inhalation</b>	None expected during normal conditions of use.
<b>Ingestion</b>	Calculated oral 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

Isopropanol 67-63-0 A4 - Not Classifiable as a Human Carcinogen

#### IARC - Group 3 (Not Classifiable)

Isopropanol 67-63-0 Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977]

**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** Components of this product have been identified as having potential environmental concerns.

#### Ecotoxicity - Freshwater Algae Data

Isopropanol 67-63-0 96 Hr EC50 Desmodesmus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >1000 mg/L

#### Ecotoxicity - Freshwater Fish Species Data

Dipropylene glycol monobutyl ether 29911-28-2 96 Hr LC50 Poecilia reticulata: 841 mg/L [static]

Isopropanol 67-63-0 96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L

#### Ecotoxicity - Water Flea Data

Isopropanol 67-63-0 48 Hr EC50 Daphnia magna: 13299 mg/L

**Environmental effects** Not available

**Aquatic toxicity** 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

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### 13. Disposal Considerations

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<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

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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

<b>Proper shipping name</b>	Not applicable
<b>U.S. DOT Hazard Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>DOT RQ (lbs)</b>	Not applicable
<b>ERG NO</b>	Not applicable

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Status</b>	Not applicable
<b>Packing group</b>	Not applicable

**IMDG (Marine Transport): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>IMDG Page</b>	Not applicable
<b>Marine pollutant</b>	Not applicable
<b>EMS</b>	Not applicable
<b>MFAG</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

<b>IATA/ICAO (Air): Classification:</b>	Not regulated
<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>Maximum Quantity</b>	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:** Product is compliant with CPSC regulatory guidelines; a specific registration is not required for this product.

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

Isopropanol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)
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**Occupational Safety and Health Administration (OSHA)**

<b>29 CFR 1910.1200 hazardous chemical</b>	Yes
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**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
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<b>Section 302 extremely hazardous substance</b>	No
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<b>Section 311 hazardous chemical</b>	Yes
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<b>Clean Air Act (CAA)</b>	Not available
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<b>Clean Water Act (CWA)</b>	Not available
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**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**

Isopropanol	67-63-0	Present
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**U.S. - Massachusetts - Right To Know List**

Isopropanol	67-63-0	Present
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**U.S. - Minnesota - Hazardous Substance List**

Isopropanol	67-63-0	Present
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**U.S. - New Jersey - Right to Know Hazardous Substance List**

Isopropanol	67-63-0	sn 1076
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**U.S. - Pennsylvania - RTK (Right to Know) List**

Isopropanol	67-63-0	Environmental hazard
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**U.S. - Rhode Island - Hazardous Substance List**

Isopropanol	67-63-0	Toxic; Flammable
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**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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<b>Disclaimer</b>	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.
<b>Further information</b>	36241-97161-8 - 1 gal. - Professional RESOLVE® Carpet Extraction/Traffic Lane Cleaner/Pretreatment Concentrate - Use dilution - 0169363
<b>Issue date</b>	26-Jul-2010
<b>Effective date</b>	15-Jul-2010
<b>Prepared by</b>	Reckitt Benckiser Regulatory Department 800-333-3899
<b>Other information</b>	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.