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

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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbonic acid, sodium salt (2:3)</td>
<td>533-96-0</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Dipropylene glycol monobutyl ether</td>
<td>29911-28-2</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>2.5 - 10</td>
</tr>
</tbody>
</table>

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.
Skin contact: In case of skin contact, wash with soap and water, to prevent any irritation. If irritation occurs, get medical attention.

Inhalation: Move person to fresh air. If the person feels unwell, call a physician or Poison Control Center.

Ingestion: 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.

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: Combustible by OSHA criteria.

- Extinguishing media:
  - 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: CAUTION COMBUSTIBLE
  Keep away from heat, sparks and open flame. Avoid contact with eyes.

- Storage: Store in original container in a cool, secure area inaccessible to children and pets. Keep from freezing.
### 8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbonic acid, sodium salt (2:3)</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Dipropylene glycol monobutyl ether</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Mist: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 400 ppm</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>TWA: 400 ppm</td>
</tr>
</tbody>
</table>

#### 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.

### 9. Physical and Chemical Properties

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

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. Extremes of temperature and direct sunlight.
Incompatible materials  
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
<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbonic acid, sodium salt (2:3)</td>
<td>Not available</td>
</tr>
<tr>
<td>Dipropylene glycol monobutyl ether</td>
<td>Not available</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>16970 mg/L/4h rat</td>
</tr>
</tbody>
</table>

Component analysis - Oral LD50
<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbonic acid, sodium salt (2:3)</td>
<td>5600 mg/kg rat</td>
</tr>
<tr>
<td>Dipropylene glycol monobutyl ether</td>
<td>3700 mg/kg rat</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>4396 mg/kg rat</td>
</tr>
</tbody>
</table>

Effects of acute exposure
Eye  
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

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 | 29811-28-2 | 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
Aquatotoxicity  
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

<table>
<thead>
<tr>
<th>Waste codes</th>
<th>Not available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposal instructions</td>
<td>Dispose in accordance with all applicable regulations.</td>
</tr>
<tr>
<td>Waste from residues / unused products</td>
<td>Not available</td>
</tr>
<tr>
<td>Contaminated packaging</td>
<td>Not available</td>
</tr>
</tbody>
</table>

14. Transport Information

<table>
<thead>
<tr>
<th>UN/ID N.o.</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Department of Transportation (DOT): Classification:</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>U.S. DOT Hazard Class</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Subsidiary Risk</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>DOT RQ (lbs)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>ERG NO</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transportation of Dangerous Goods (TDG - Canada): Classification:</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Status</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>IMDG (Marine Transport): Classification:</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Not applicable</td>
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<tr>
<td>Class</td>
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<tr>
<td>Subsidiary Risk</td>
<td>Not applicable</td>
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<tr>
<td>Packing group</td>
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<tr>
<td>IMDG Page</td>
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</tr>
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<td>Marine pollutant</td>
<td>Not applicable</td>
</tr>
<tr>
<td>EMS</td>
<td>Not applicable</td>
</tr>
<tr>
<td>MFAG</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Maximum Quantity</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
15. Regulatory Information

### US Federal regulations
- **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)

### Occupational Safety and Health Administration (OSHA)
- 29 CFR 1910.1200 hazardous chemical: Yes

### Superfund Amendments and Reauthorization Act of 1986 (SARA)
- **Hazard categories**
  - Immediate Hazard - Yes
  - Delayed Hazard - No
  - Fire Hazard - Yes
  - 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**
  - Isopropanol 67-63-0: Present
- **U.S. - Massachusetts - Right To Know List**
  - Isopropanol 67-63-0: Present
- **U.S. - Minnesota - Hazardous Substance List**
  - Isopropanol 67-63-0: Present
- **U.S. - New Jersey - Right to Know Hazardous Substance List**
  - Isopropanol 67-63-0: sn 1076
- **U.S. - Pennsylvania - RTK (Right to Know) List**
  - Isopropanol 67-63-0: Environmental hazard
- **U.S. - Rhode Island - Hazardous Substance List**
  - Isopropanol 67-63-0: Toxic; Flammable

### Inventory status
- **Country(s) or region**: United States & Puerto Rico
- **Inventory name**: Toxic Substances Control Act (TSCA) Inventory
- **On inventory (yes/no)**: 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
36241-97161-8 - 1 gal. - Professional RESOLVE® Carpet Extraction/Traffic Lane Cleaner/Pretreatment Concentrate - Use dilution - 0169363

Issue date
26-Jul-2010

Effective date
15-Jul-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.