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 |

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

Suitable 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 Not established OSHA-PEL Not established</td>
</tr>
<tr>
<td>Dipropylene glycol monobutyl ether</td>
<td>ACGIH-TLV Mist: 10 mg/m3 OSHA-PEL Not established</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>ACGIH-TLV TWA: 200 ppm STEL: 400 ppm OSHA-PEL 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear.</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Straw</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Citrus.</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>9.9 ± 0.23 (as is)</td>
</tr>
<tr>
<td><strong>Freezing point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Pour point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>116.96 °F (47.2 °C) Tagliabue</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flammability limits in air, lower, % by volume</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flammability limits in air, upper, % by volume</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Specific gravity</strong></td>
<td>1.010 ± 0.015</td>
</tr>
</tbody>
</table>
Octanol/water coefficient
Solubility (H2O)
Viscosity

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>67-63-0</th>
<th>A4 - Not Classifiable as a Human Carcinogen</th>
</tr>
</thead>
</table>

IARC - Group 3 (Not Classifiable)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>67-63-0</th>
<th>Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977]</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>67-63-0</th>
<th>96 Hr EC50 Desmodesmus subspicatus: &gt;1000 mg/L; 72 Hr EC50 Desmodesmus subspicatus: &gt;1000 mg/L</th>
</tr>
</thead>
</table>

Ecotoxicity - Freshwater Fish Species Data

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>29911-28-2</th>
<th>96 Hr LC50 Poecilia reticulata: 841 mg/L [static]</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>67-63-0</th>
<th>96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: &gt;1400000 µg/L</th>
</tr>
</thead>
</table>

Ecotoxicity - Water Flea Data

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>67-63-0</th>
<th>48 Hr EC50 Daphnia magna: 13299 mg/L</th>
</tr>
</thead>
</table>

Environmental effects
Not available

Aquatic toxicity
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>
</tr>
<tr>
<td>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>IMDG Page</td>
<td>Not applicable</td>
</tr>
<tr>
<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>
### IATA/ICAO (Air): Classification
- 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:
- 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

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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.