1. Product and Company Identification

Product Name: RESOLVE® High Traffic Foam

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

<table>
<thead>
<tr>
<th>Severity</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>B</td>
</tr>
<tr>
<td>Serious</td>
<td>3</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>2</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Slight</td>
<td>1</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
<td></td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

2. Hazards Identification

Emergency overview

CAUTION
CONTENTS UNDER PRESSURE.
Do not puncture or incinerate container.
DO NOT expose to heat or store at temperatures above 120°F (49°C).
Avoid freezing.
Contains no phosphates.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure: Eye, Skin contact, Inhalation, Ingestion.

Eyes: Not an eye irritant. (based on raw material data)

Skin: Not a skin irritant. (based on raw material data)

Inhalation: Not harmful. (based on raw material data)

Ingestion: Not harmful (calculated LD50 > 5000 mg/kg)

Target organs: Skin. Eyes.

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.

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL-Aspartic acid, N-(3-carboxy-1-oxo-3-sulfopropyl)-N-octadecyl-, tetrasodium salt</td>
<td>38916-42-6</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>
4. First Aid Measures

First aid procedures

Eye contact
In case of eye contact, IMMEDIATELY rinse thoroughly with water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. Get medical attention.

Skin contact
In case of skin contact, wash with soap and water. If irritation persists, get medical attention.

Inhalation
In case of accident, move the person to fresh air. Use only as directed.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal. Help stop inhalation abuse; for information visit www.inhalant.org.

Ingestion
If swallowed, rinse mouth and drink a glass of water. Call a physician or Poison Control Centre.

Notes to physician
Symptoms may be delayed.

General advice
Avoid contact with eyes and skin. Keep out of reach of children. Immediate medical attention is required. 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. If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties
Aerosol flame extension less than 15 cm.

Extinguishing media

Suitable extinguishing media
Unsuitable extinguishing media
Not available

Protection of firefighters
Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out.

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. Oxides of sulphur.

Explosion data
Not available

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
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.

7. Handling and Storage

Handling
CAUTION
Contents under pressure.
Avoid contact with eyes, skin and clothing.
8. Exposure Controls / Personal Protection

### Exposure limits

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL-Aspartic acid, N-(3-carboxy-1-oxo-3-sulfopropyl)-N-octadecyl-, tetrasodium salt</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>Ethanol</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td>Isobutane</td>
<td>ACGIH-TLV</td>
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<tr>
<td></td>
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<td></td>
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<tr>
<td>Propane</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>TWA: 1000 ppm</td>
</tr>
</tbody>
</table>

### Engineering controls

- General ventilation normally adequate. Provide adequate ventilation.

### Personal protective equipment

- **Eye / face protection**: 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**: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. 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.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Foamy Spray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>white</td>
</tr>
<tr>
<td>Form</td>
<td>Aerosol.</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
</tbody>
</table>
### Physical state
- Gas

### pH
- 8.8 - 9.2 (Concentrate)

### Freezing point
- Not available

### Pour point
- Not available

### Boiling point
- Not available

### Flash point
- > 199.94 °F (> 93.3 °C) Tagliabue

### Evaporation rate
- 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
- > 1

### Specific gravity
- 0.998 - 1.002

### Octanol/water coefficient
- Not available

### Solubility (H2O)
- Miscible

### Auto-ignition temperature
- Not available

### Chemical stability
- Stable under recommended storage conditions.

### Conditions to avoid
- Aerosol containers are unstable at temperatures above 49°C (120.2°F). DO NOT MIX WITH BLEACH or use in conjunction with other household products.

### Incompatible materials
- Acids. Caustics.

### Hazardous decomposition products
- May include and are not limited to: Oxides of carbon. Oxides of sulphur.

### Possibility of hazardous reactions
- Hazardous polymerization does not occur.

### 10. Stability and Reactivity

#### Component analysis - LC50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL-Aspartic acid, N-(3-carboxy-1-oxo-3-sulfopropyl)-N-octadecyl-, tetrasodium salt</td>
<td>Not available</td>
</tr>
<tr>
<td>Ethanol</td>
<td>31623 ppm rat</td>
</tr>
<tr>
<td>Isobutane</td>
<td>658 mg/l/4h rat</td>
</tr>
<tr>
<td>Propane</td>
<td>Not available</td>
</tr>
</tbody>
</table>

#### Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL-Aspartic acid, N-(3-carboxy-1-oxo-3-sulfopropyl)-N-octadecyl-, tetrasodium salt</td>
<td>6500 mg/kg rat</td>
</tr>
<tr>
<td>Ethanol</td>
<td>3450 mg/kg mouse; 7060 mg/kg rat</td>
</tr>
<tr>
<td>Isobutane</td>
<td>Not available</td>
</tr>
<tr>
<td>Propane</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### 11. Toxicological Information

#### Effects of acute exposure

<table>
<thead>
<tr>
<th>Body</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Not an eye irritant. (based on raw material data)</td>
</tr>
<tr>
<td>Skin</td>
<td>Not a skin irritant. (based on raw material data)</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Not harmful. (based on raw material data)</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Not harmful (calculated LD50 &gt; 5000 mg/kg)</td>
</tr>
</tbody>
</table>

#### 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.
12. Ecological Information

Ecotoxicity

See below

Ecotoxicity - Freshwater Fish Species Data
Ethanol 64-17-5 96 Hr LC50 Oncorhynchus mykiss: 12.0-16.0 ml/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400-15100 mg/L [flow-through]

Ecotoxicity - Water Flea Data
Ethanol 64-17-5 48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]

Environmental effects Not available
Aquatic toxicity 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

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

14. Transport Information

U.S. Department of Transportation (DOT)

UN 1950, Aerosols, Class 2.2, Re-classed as Consumer Commodity ORM-D
15. Regulatory Information

**US Federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

**Product Registration:** Not registered

**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 - No
- Pressure Hazard - Yes
- 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. - Massachusetts - Right To Know List**
- Ethanol 64-17-5 Teratogen
- Isobutane 75-28-5 Present
- Propane 74-98-6 Present

**U.S. - Minnesota - Hazardous Substance List**
- Ethanol 64-17-5 Present
- Propane 74-98-6 Simple asphyxiating

**U.S. - New Jersey - Right to Know Hazardous Substance List**
- Ethanol 64-17-5 sn 0844
- Isobutane 75-28-5 sn 1040
- Propane 74-98-6 sn 1594

**U.S. - Pennsylvania - RTK (Right to Know) List**
- Ethanol 64-17-5 Present
- Isobutane 75-28-5 Present
- Propane 74-98-6 Present

**U.S. - Rhode Island - Hazardous Substance List**
- Ethanol 64-17-5 Toxic; Flammable
- Propane 74-98-6 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**
59631-41015 - 623 g - RESOLVE® High Traffic Foam - 0147465

**Issue date**
10-May-2010

**Effective date**
01-May-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.