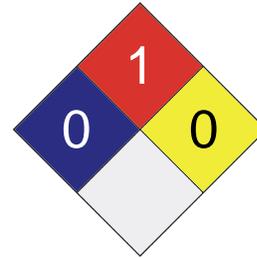


1. Product and Company Identification

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: 1-800-338-6167
 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	/ 0
Flammability	1
Physical Hazard	0
Personal Protection	B



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.
 DO NOT place near open flame, heat sources or electrical equipment. Use in well ventilated areas. When using RESOLVE® EASY CLEAN Carpet Brush, direct aerosol away from face when loading the device and replacing the spray cap to can. Contains no phosphorus.

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.

OSHA Regulatory Status

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects

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

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
DL-Aspartic acid, N-(3-carboxy-1-oxo-3-sulfopropyl)-N-octadecyl-, tetrasodium salt	38916-42-6	2.5 - 10
Isobutane	75-28-5	2.5 - 10
Ethanol	64-17-5	0.1 - 1

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.

NFPA AEROSOL LEVEL: Flammability Rating 1, per NFPA 30B

Extinguishing media

Suitable extinguishing media Carbon dioxide. Water spray. Foam. Dry chemical powder.

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from the chemical 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

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.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

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.
Storage	Keep out of reach of children. Keep away from heat, sparks, and flame. Do not puncture or incinerate container. DO NOT expose to heat or store at temperatures above 120°F (49°C) as the container may burst. Store in a cool dry place inaccessible to children and pets.

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.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
DL-Aspartic acid, N-(3-carboxy-1-oxo-3-sulfopropyl)-N-octadecyl-, tetrasodium salt	ACGIH-TLV Not established OSHA-PEL Not established
Ethanol	ACGIH-TLV TWA: 1000 ppm STEL: 1000 ppm OSHA-PEL TWA: 1000 ppm
Isobutane	ACGIH-TLV TWA: 1000 ppm OSHA-PEL Not established
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

Appearance	Foamy Spray
Color	White
Form	Aerosol.
Odor	Characteristic
Odor threshold	Not available
Physical state	Gas
pH	8.8 - 9.2 (Concentrate)

Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	> 199.94 °F (> 93.3 °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	> 1
Specific gravity	0.998 - 1.002
Octanol/water coefficient	Not available
Solubility (H2O)	Miscible

10. Stability and Reactivity

Reactivity	This product may react with strong acids.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
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.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
DL-Aspartic acid, N-(3-carboxy-1-oxo-3-sulfopropyl)-N-octadecyl-, tetrasodium salt	Not available
Ethanol	31623 ppm rat
Isobutane	658 mg/l/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
DL-Aspartic acid, N-(3-carboxy-1-oxo-3-sulfopropyl)-N-octadecyl-, tetrasodium salt	6500 mg/kg rat
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat
Isobutane	Not available

Effects of acute exposure

Eye	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)
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
Ethanol 64-17-5 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

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.
Name of Toxicologically Synergistic Products Not available

12. Ecological Information

Ecotoxicity See below

Ecotoxicity - Freshwater Fish - Acute Toxicity Data
Ethanol 64-17-5 96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mg/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 - Acute Toxicity 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]

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

13. Disposal Considerations

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 Limited Quantity

Transportation of Dangerous Goods (TDG - Canada)

UN 1950, Aerosols, Class 2.2, Re-classed as Limited Quantity

IMDG (Marine Transport)

UN 1950, Aerosols, Class 2.2, Limited Quantity

IATA/ICAO (Air)

UN1950, Aerosols, Non-Flammable, Class 2.2, Limited Quantity, Consumer Commodity, ID 8000 if acceptable to air carrier.

15. Regulatory Information

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Product Registration: Product is compliant with CPSC regulatory guidelines; a specific registration is not required for this product.

CERCLA (Superfund) reportable quantity

Ammonium hydroxide: 1000.0000

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	No
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

U.S. - Minnesota - Hazardous Substance List

Ethanol	64-17-5	Present
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U.S. - New Jersey - Right to Know Hazardous Substance List

Ethanol	64-17-5	sn 0844
Isobutane	75-28-5	sn 1040

U.S. - Pennsylvania - RTK (Right to Know) List

Ethanol	64-17-5	Present
Isobutane	75-28-5	Present

U.S. - Rhode Island - Hazardous Substance List

Ethanol	64-17-5	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)		

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

19200-00619-4 - 22 ounces - RESOLVE® High Traffic Foam - 0147465

Issue date

19-Dec-2011

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.