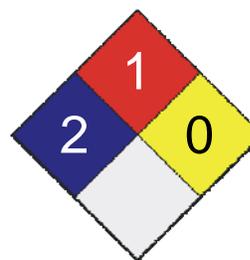


1. Product and Company Identification

Product Name RESOLVE® Carpet Cleaner for Steam Machines
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	/ 2
Flammability	1
Physical Hazard	0
Personal Protection	B



2. Hazards Identification

Emergency overview CAUTION
 EYE IRRITANT
 DO NOT get in eyes.

 KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects
Routes of exposure Eye, Skin contact, Inhalation, Ingestion.
Eyes Eye irritant. (based on raw material data)
Skin None expected during normal conditions of use.
 Not expected to be a skin sensitizer.
Inhalation Not harmful. (based on raw material data)
Ingestion Not harmful (calculated LD50 > 5000 mg/kg)
Target organs Eyes. 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
Alcohols, C12-16, ethoxylated	68551-12-2	1 - 2.5
Tetrasodium ethylenediamine tetraacetate	64-02-8	1 - 2.5

4. First Aid Measures

First aid procedures
Eye contact If in eyes, IMMEDIATELY rinse eyes with plenty of water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation persists, get medical attention.
Skin contact In case of skin contact, wash with soap and water. If irritation occurs, get medical attention.

Inhalation	In case of accident, move the person to fresh air. Use only as directed.
Ingestion	If swallowed, DO NOT induce vomiting. Call a physician or Poison Control Centre IMMEDIATELY.
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	Not flammable by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Water spray. Foam. Dry chemical.
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	EYE IRRITANT DO NOT get in eyes. DO NOT mix with bleach or other household chemicals as harmful fumes may result.
Storage	Store in a cool dry place inaccessible to children and pets.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Alcohols, C12-16, ethoxylated	ACGIH-TLV Not established OSHA-PEL Not established
Tetrasodium ethylenediamine tetraacetate	ACGIH-TLV Not established OSHA-PEL TWA: 15 mg/m3
Engineering controls	General ventilation normally adequate.

Personal protective equipment

Eye / face protection

Not normally required under normal use conditions.
If splashes are likely to occur, wear: Safety goggles or glasses.
Emergency responders should wear full eye and face protection.

Hand protection

No special requirements under normal use conditions.
For sensitive skin or prolonged use, wear rubber gloves.
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	Amber
Form	aqueous solution
Odor	Characteristic
Odor threshold	Not available
Physical state	Liquid
pH	9.1 - 9.7
Freezing point	Not available
Pour point	Not available
Boiling point	Not available
Flash point	> 199.94 °F (> 93.3 °C)
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	Not available
Specific gravity	1.010 - 1.040
Octanol/water coefficient	Not available
Solubility (H2O)	Complete
Auto-ignition temperature	Not available
Viscosity	Not applicable

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.
Incompatible materials	Acids. Caustics.
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

Ingredient(s)	LC50
Alcohols, C12-16, ethoxylated	Not available
Tetrasodium ethylenediamine tetraacetate	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Alcohols, C12-16, ethoxylated	1380 mg/kg rat
Tetrasodium ethylenediamine tetraacetate	2000 mg/kg rat
Effects of acute exposure	
Eye	Eye irritant. (based on raw material data)
Skin	None expected during normal conditions of use. Not expected to be a skin sensitizer.
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.
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	See below	
Ecotoxicity - Freshwater Algae Data		
Tetrasodium ethylenediamine tetraacetate	64-02-8	72 Hr EC50 Desmodesmus subspicatus: 1.01 mg/L
Ecotoxicity - Freshwater Fish Species Data		
Tetrasodium ethylenediamine tetraacetate	64-02-8	96 Hr LC50 Lepomis macrochirus: 41 mg/L [static]; 96 Hr LC50 Pimephales promelas: 59.8 mg/L [static]
Ecotoxicity - Water Flea Data		
Tetrasodium ethylenediamine tetraacetate	64-02-8	24 Hr EC50 Daphnia magna: 610 mg/L
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

UN/ID N.o. Not applicable

U.S. Department of Transportation (DOT): Classification: Not regulated

Proper shipping name Not applicable

U.S. DOT Hazard Class Not applicable

Subsidiary Risk Not applicable

Packing group Not applicable

DOT RQ (lbs) Not applicable

ERG NO Not applicable

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

Proper shipping name Not applicable

Status Not applicable

Packing group Not applicable

IMDG (Marine Transport): Classification: Not regulated

Proper shipping name Not applicable

Class Not applicable

Subsidiary Risk Not applicable

Packing group Not applicable

IMDG Page Not applicable

Marine pollutant Not applicable

EMS Not applicable

MFAG Not applicable

Maximum Quantity Not applicable

IATA/ICAO (Air): 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.

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 - 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.

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 19200-75531 - 48 oz. - RESOLVE® Carpet Cleaner for Steam Machines - 0166011
19200-78015 - 96 oz. - RESOLVE® Carpet Cleaner for Steam Machines - 0166011

Issue date 04-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.