



Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name	RESOLVE® DUAL POWER CARPET STAIN REMOVER (LIQUID)	MSDS#
Product Description	Dual chamber carpet stain remover. When the chemicals in each chamber are mixed they form the active ingredients that perform the cleaning process.	Validation Date 6/14/2005 Print Date 6/14/2005
Manufacturer	Reckitt Benckiser North America, Inc. Morris Corporate Center IV 399 Interpace Parkway (P.O. Box 225) Parsippany, N.J. 07054-0225	In case of Emergency: Telephone: 800-228-4722
Product Identifier	Not available.	Transportation Emergencies: Chemtrec: 1-800-424-9300 (U.S. & Canada)
Item Number	0021985	Outside the U.S & Canada (North America), call: 703-527-3887
Formula Number	0021985 (969-176) Combined product. 0021983 (969-176A) Blue phase, chamber "A". 0021984 (969-176B) Oxy phase, chamber "B".	
UPC Number	19200-77873 (22 oz. dual chamber HDPE plastic bottles)	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) CHAMBER "A" 2) ISOPROPYL ALCOHOL	67-63-0	1.98	TWA: 983 STEL: 1230 (mg/m ³) from ACGIH (TLV) [United States] TWA: 400 STEL: 500 (ppm) from ACGIH (TLV) [United States] TWA: 980 STEL: 1230 (mg/m ³) from OSHA (PEL) [United States] TWA: 400 (ppm) from OSHA (PEL) [United States] Not available.
3) SODIUM BICARBONATE 4)	144-55-8	5.0	
5) CHAMBER "B" 6) HYDROGEN PEROXIDE	7722-84-1	2.42	TWA: 1.4 (mg/m ³) from ACGIH (TLV) [United States] TWA: 1 (ppm) from ACGIH (TLV) [United States] TWA: 1.4 (mg/m ³) from OSHA (PEL) [United States] TWA: 1 (ppm) from OSHA (PEL) [United States] Not available. See ACGIH and OSHA data shown in Chamber "A".
7) CITRIC ACID 8) ISOPROPYL ALCOHOL	77-92-9 67-63-0	1.02 1.98	

Section 3. Hazards Identification

Emergency Overview	DANGER: CORROSIVE TO EYES. CAUSES BURNS TO EYES. SKIN IRRITANT. HARMFUL IF SWALLOWED. DO NOT get in eyes or on skin. DO NOT INGEST. Wash hands immediately after use. Contains Hydrogen Peroxide and Citric Acid. KEEP OUT OF REACH OF CHILDREN.
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Section 4. First Aid Measures

Eye Contact	In case of eye contact, hold eyes open and IMMEDIATELY rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing for at least 15 minutes. Get immediate medical attention.
Skin Contact	In case of skin contact, wash skin thoroughly with soap and water. If irritation persists, consult a physician.
Inhalation	Remove to fresh air.
Ingestion	If swallowed, DO NOT induce vomiting! Immediately rinse mouth, then drink a glass of water. Contact a physician or poison control center immediately. NEVER give an unconscious person anything to ingest.

Section 5. Fire and Explosion Data

Flammability	Not flammable. See Section 14 for any Shipping Classifications.
Flash Point	Chamber A = None determined, water content too high to ignite the flame. Chamber B = 61° C (142° F). Combined = >93° C (>200° F)
Explosive Limits in Air	Not available.
Products of Combustion	Thermal decomposition products may include carbon oxides and nitrogen oxides.
Fire and Explosion Hazards	None known.
Fire Fighting Media and Instructions	Use water spray, foam, dry chemical or carbon dioxide, as suitable, for the surrounding fire.
Special Fire Fighting Instructions	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.

Section 6. Accidental Release Measures

Accidental Spill	Small spills: Wearing impervious gloves, soak up spill with absorbent material and dispose of in trash. Rinse area well to avoid slippery conditions. Large spills: Wearing appropriate eye protection, impervious gloves and body protection such as a chemical suit and impervious boots, the liquid should be diked, contained and collected for later disposal according to local, state or federal regulations.
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Section 7. Handling and Storage

Handling and Storage	DANGER: CORROSIVE TO EYES. CAUSES BURNS TO EYES. SKIN IRRITANT. HARMFUL IF SWALLOWED. DO NOT get in eyes or on skin. DO NOT INGEST. Wash hands immediately after use. Contains hydrogen peroxide and Citric Acid. READ PACKAGE LABEL CAREFULLY. Store in original container in secure area inaccessible to children and pets. KEEP OUT OF REACH OF CHILDREN.
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Section 8. Exposure Controls/Personal Protection

Ventilation Requirements	No specific controls are needed.
Eye Protection	Corrosive to the eyes. Splashproof glasses, chemical goggles or full face shield. Emergency responders should wear full eye and face protection.
Skin Protection	Skin irritant. Gloves (impervious). Avoid contact with skin. If product gets on clothing, remove clothing and wash before wearing again. Emergency responders should wear impermeable gloves.
Respiratory Protection	None required
Other Protection	Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

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REMOVER (LIQUID)**

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Work/Hygienic Practices Wash thoroughly with soap and water after handling.**Section 9. Physical and Chemical Properties**

Description	Liquid. (Dual chamber container that will combine ingredients from each chamber upon use at a common nozzle.)	Odor	Citrus / herbaceous scent.
pH	Chamber A (blue color) the pH is 8.5; Chamber B (clear color) the pH is 3.9; Final Product, when combined, the pH is approximately 6.5	Color	Chamber A = Blue Chamber B = Colorless, clear liquid.
Boiling/Condensation Point	Not available.		
Specific Gravity	Chamber A (Basic) = 1.034 / Chamber B (Acid Oxy) = 1.040 Mixed as finished product = 1.036 (Water = 1.000)		
Vapor Pressure	Not available		
Vapor Density	Not available.		
Viscosity	Not available.		
Solubility	Complete.		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	None known.
Incompatibility with Various Substances	Do not mix with bleach or other household cleaners. Do not spray on metals.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide and oxides of nitrogen may be formed during thermal decomposition.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information**Exposure effects**

Eye Contact	Corrosive to eyes.
Skin Contact	Skin irritant.
Inhalation	Inhalation toxicity not determined.
Ingestion	HARMFUL IF SWALLOWED.
Carcinogenicity	Not listed as carcinogenic by OSHA, NTP or IARC.

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Section 12. Ecological Information**Ecotoxicity** Not available.**Section 13. Disposal Considerations****Waste Disposal** Discharge small amounts of waste liquid to sanitary sewer. Rinse and discard empty container in trash collection or rinse and recycle if appropriate in your area.

Large quantities of waste liquid: Contain and collect liquid for evaluation and disposal according to local, state and federal regulations.

Section 14. Transport Information**DOT Classification** Not regulated by DOT (United States).**Proper Shipping Name** Not applicable.**DOT Identification Number** Not applicable.**Packing Group** Not applicable.**Maritime Transportation** Not applicable.**Hazardous Substances
Reportable Quantity** Not applicable.**Special Provisions for
Transport** Not applicable.**TDG Classification** Not regulated by TDG.**ADR Classification** Not applicable.**IMDG Classification** Not regulated by IMDG.**IATA Classification** Not regulated by IATA.**Section 15. Regulatory Information****Federal and State
Regulations** SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting:
1) ISOPROPYL ALCOHOL Not available. 1.98 Not
avai
California Proposition 65: This product contains the following ingredients which require a warning under the Safe
Drinking Water & Toxic Enforcement Act:
None**Other Classifications** **WHMIS (Canada)** CLASS C: Oxidizing material.
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).

Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	3
Fire Hazard	0
Reactivity	1
Personal Protection	D

**National Fire Protection
Association (U.S.A.)**

Health



Fire Hazard

Reactivity

Specific hazard

NFPA Aerosol Level

Not applicable.

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Notice to Reader

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