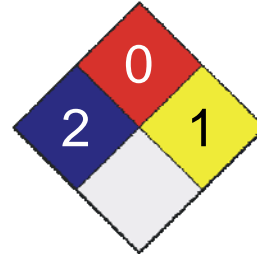


1. Product and Company Identification

Product Name RESOLVE® (formerly SPRAY'N WASH®) IN-WASH STAIN REMOVER
UPC CODES Refer to Section 16
CAS # Mixture
Product use Stain remover
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	0
Physical Hazard	1
Personal Protection	B



2. Hazards Identification

Emergency overview

WARNING
 EYE AND SKIN IRRITANT.
 MAY BE HARMFUL IF SWALLOWED.
 Do not get in eyes, on skin or ingest.
 May be severely irritating to eyes.
 Wash hands after use.
 For sensitive skin, the use of gloves is recommended.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

None expected during normal conditions of use.
 May be severe eye irritant (raw materials information).

Skin

Skin irritant. (raw materials information).
 Not expected to be a skin sensitizer.

Inhalation

None expected during normal conditions of use.

Ingestion

May be harmful by ingestion. (raw materials information).

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

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Hydrogen peroxide	7722-84-1	2.5 - 10
Alcohols, C12-16, ethoxylated	68551-12-2	10 - 20
Benzenesulfonic acid, C10-16-alkyl derivatives	68584-22-5	10 - 20
Sodium hydroxide	1310-73-2	1 - 2.5

4. First Aid Measures

First aid procedures

Eye contact	In case of eye contact, 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	If on skin, wash area with plenty of soap and water. If irritation persists, 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. Call a physician or Poison Control Centre.

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 Treat for surrounding material.

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

Avoid contact with eyes.
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

Do not get in eyes, on skin or ingest.
For sensitive skin, the use of gloves is recommended.
When using do not eat or drink.
Wash hands before breaks and immediately after handling the product.

Storage

Keep out of reach of children.
Store in a closed container away from incompatible materials.
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
Benzenesulfonic acid, C10-16-alkyl derivatives	ACGIH-TLV Not established OSHA-PEL Not established
Hydrogen peroxide	ACGIH-TLV TWA: 1 ppm OSHA-PEL TWA: 1 ppm
Sodium hydroxide	ACGIH-TLV Ceiling: 2 mg/m3 OSHA-PEL TWA: 2 mg/m3
Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye / face protection	When handling in large quantities or responding to emergency situations, the use of appropriate eye protection is recommended. Emergency responders should wear full eye and face protection.
Hand protection	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	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	Clear. gel
Color	Blue
Form	Liquid
Odor	Perfume
Odor threshold	Not available
Physical state	Liquid
pH	3.5 ± 0.3 (as is)
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	> 199.94 °F (> 93.3 °C)
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	Not available
Specific gravity	1.04 ± 0.005 G/mL
Octanol/water coefficient	Not available
Solubility (H2O)	High
Viscosity	800 ± 100 Cps @ 25°C (Brookfield LV type, Spindle #31, 12 rpm)

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	Oxidizers. 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
Benzenesulfonic acid, C10-16-alkyl derivatives	Not available
Hydrogen peroxide	Not available
Sodium hydroxide	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Alcohols, C12-16, ethoxylated	1380 mg/kg rat
Benzenesulfonic acid, C10-16-alkyl derivatives	530 mg/kg rat
Hydrogen peroxide	75 mg/kg rat; 2000 mg/kg mouse
Sodium hydroxide	Not available

Effects of acute exposure

Eye	None expected during normal conditions of use. May be severe eye irritant (raw materials information).
Skin	Skin irritant. (raw materials information). Not expected to be a skin sensitizer.
Inhalation	None expected during normal conditions of use.
Ingestion	May be harmful by ingestion. (raw materials information).
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

Hydrogen peroxide 7722-84-1 A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

IARC - Group 3 (Not Classifiable)

Hydrogen peroxide 7722-84-1 Monograph 71 [1999]; Supplement 7 [1987]; Monograph 36 [1985]

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 Contained surfactants are ultimate aerobically biodegradable according to method OECD 301. The liquid contains hydrogen peroxide which decomposes in oxygen and water with no adverse effect. For surfactants with EC 50 < 1mg/l no adverse long-term effects to the aquatic environment are foreseen, due to their biodegradability and non-bioaccumable properties. The product may exhibit acute effects in case of massive discharge in watercourses.

Ecotoxicity - Freshwater Algae - Acute Toxicity Data

Hydrogen peroxide 7722-84-1 72 Hr EC50 Chlorella vulgaris: 2.5 mg/L

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Benzenesulfonic acid, C10-16-alkyl derivatives 68584-22-5 96 Hr LC50 Oncorhynchus mykiss: 3 mg/L [static]

Hydrogen peroxide 7722-84-1 96 Hr LC50 Pimephales promelas: 16.4 mg/L; 96 Hr LC50 Lepomis macrochirus: 18-56 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 10.0-32.0 mg/L [static]

Sodium hydroxide 1310-73-2 96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]

Ecotoxicity - Water Flea - Acute Toxicity Data

Benzenesulfonic acid, C10-16-alkyl derivatives 68584-22-5 48 Hr EC50 Daphnia magna: 2.9 mg/L

Hydrogen peroxide 7722-84-1 24 Hr EC50 Daphnia magna: 7.7 mg/L; 48 Hr EC50 Daphnia magna: 18 - 32 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

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

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Sodium hydroxide 1310-73-2 1000 Lb final RQ; 454 kg final RQ

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

Hydrogen peroxide 7722-84-1 1000 Lb EPCRA RQ (concentration >52%)

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

Hydrogen peroxide 7722-84-1 1000 Lb TPQ (concentration >52%)

U.S. - CWA (Clean Water Act) - Hazardous Substances

Sodium hydroxide 1310-73-2 Present

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.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Hydrogen peroxide 7722-84-1 Present
 Sodium hydroxide 1310-73-2 Present

U.S. - Louisiana - Reportable Quantity List for Pollutants

Sodium hydroxide 1310-73-2 1000 Lb final RQ; 454 kg final RQ

U.S. - Massachusetts - Right To Know List

Hydrogen peroxide 7722-84-1 Extraordinarily hazardous
 Sodium hydroxide 1310-73-2 Present

U.S. - Minnesota - Hazardous Substance List

Hydrogen peroxide 7722-84-1 Present (includes Hydrogen Peroxide [90%])
 Sodium hydroxide 1310-73-2 Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Hydrogen peroxide 7722-84-1 sn 1015
 Sodium hydroxide 1310-73-2 sn 1706

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

Hydrogen peroxide 7722-84-1 1 Lb RQ (air); 1 lb RQ (land/water)
 Sodium hydroxide 1310-73-2 1000 Lb RQ (air); 100 lb RQ (land/water)

U.S. - Ohio - Extremely Hazardous Substances - Threshold Quantities

Hydrogen peroxide 7722-84-1 500 Lb TQ (concentration >52%)

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

Hydrogen peroxide 7722-84-1 Environmental hazard (concentration >52%)
 Sodium hydroxide 1310-73-2 Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Hydrogen peroxide 7722-84-1 Toxic; Flammable
 Sodium hydroxide 1310-73-2 Toxic; Flammable

U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Reportable Quantities

Hydrogen peroxide 7722-84-1 1000 Lb RQ

U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Threshold Planning Quantities

Hydrogen peroxide 7722-84-1 1000 Lb TPQ (concentration >52%)

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

62338-83266 - 22 oz. - RESOLVE® (formerly SPRAY'N WASH®) IN-WASH STAIN REMOVER - 0269128

62338-83267 - 40 oz. - RESOLVE® (formerly SPRAY'N WASH®) IN-WASH STAIN REMOVER - 0269128

Issue date

20-Aug-2010

Effective date

15-Aug-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.