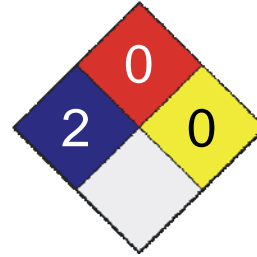


1. Product and Company Identification

Product Name RESOLVE® (formerly SPRAY'N WASH®) Laundry 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 | 0 |
| Personal Protection | B |



2. Hazards Identification

Emergency overview

CAUTION
 EYE AND SKIN IRRITANT.
 May be harmful if directly inhaled.
 DO NOT get in eyes, on skin or inhale spray.
 DO NOT treat garments while wearing.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

Eye irritant.

Skin

Skin irritant.

Inhalation

Inhalation toxicity not determined.

Ingestion

Not orally toxic.

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 |
|-------------------------------|------------|----------|
| Alcohols, C12-16, ethoxylated | 68551-12-2 | 2.5 - 10 |
| 1,2-Propanediol | 57-55-6 | 1 - 2.5 |
| Sodium citrate | 6132-04-3 | 1 - 2.5 |
| Subtilisin carlsburg | 9014-01-1 | 0 - 0.1 |

4. First Aid Measures

First aid procedures

| | |
|---------------------|--|
| Eye contact | If in eyes, IMMEDIATELY rinse eyes with water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation develops, get medical attention. |
| Skin contact | If on skin, wash with soap and water. If Irritation develops, get medical attention. |
| Inhalation | If inhaled and irritation or an allergic reaction occurs, get medical attention. |
| 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. Oxides of nitrogen.

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

CAUTION
EYE AND SKIN IRRITANT.
DO NOT get in eyes, on skin or inhale spray.
DO NOT treat garment while wearing.
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 |
|-------------------------------|---|
| 1,2-Propanediol | ACGIH-TLV Not established OSHA-PEL Not established |
| Alcohols, C12-16, ethoxylated | ACGIH-TLV Not established OSHA-PEL Not established |
| Sodium citrate | ACGIH-TLV Not established OSHA-PEL Not established |
| Subtilisin carlsburg | ACGIH-TLV Ceiling: 0.0001 mg/m3 OSHA-PEL Not established |

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye / face protection

If splashing is likely to occur or for occupational exposures, wear appropriate eye protection.
Emergency responders should wear full eye and face protection.

Hand protection

Avoid contact with the skin. Wear rubber gloves if repeated or prolonged contact with skin is possible.
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. |
| Color | Colorless |
| Form | Liquid |
| Odor | Perfume |
| Odor threshold | Not available |
| Physical state | Liquid |
| pH | 8.5 - 9.5 |
| Freezing point | Not available |
| Boiling point | Not available |
| Pour point | Not available |
| Evaporation rate | Not available |
| Flash point | Not available |
| 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 | 1.004 - 1.008 |
| Octanol/water coefficient | Not available |
| Solubility (H2O) | Complete |

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. Oxides of nitrogen. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |

11. Toxicological Information

Component analysis - LC50

| Ingredient(s) | LC50 |
|-------------------------------|---------------|
| 1,2-Propanediol | Not available |
| Alcohols, C12-16, ethoxylated | Not available |
| Sodium citrate | Not available |
| Subtilisin carlsburg | Not available |

Component analysis - Oral LD50

| Ingredient(s) | LD50 |
|-------------------------------|-------------------------------------|
| 1,2-Propanediol | 14800 mg/kg rabbit; 20000 mg/kg rat |
| Alcohols, C12-16, ethoxylated | 1380 mg/kg rat |
| Sodium citrate | Not available |
| Subtilisin carlsburg | Not available |

Effects of acute exposure

| | |
|------------------------------|--|
| Eye | Eye irritant. |
| Skin | Skin irritant. |
| Inhalation | Inhalation toxicity not determined. |
| Ingestion | Not orally toxic. |
| 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 - Acute Toxicity Data | |
| 1,2-Propanediol | 57-55-6 96 Hr EC50 Pseudokirchneriella subcapitata: 19000 mg/L |
| Ecotoxicity - Freshwater Fish - Acute Toxicity Data | |
| 1,2-Propanediol | 57-55-6 96 Hr LC50 Oncorhynchus mykiss: 51600 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 41-47 ml/L [static]; 96 Hr LC50 Pimephales promelas: 51400 mg/L [static]; 96 Hr LC50 Pimephales promelas: 710 mg/L |
| Ecotoxicity - Water Flea - Acute Toxicity Data | |
| 1,2-Propanediol | 57-55-6 24 Hr EC50 Daphnia magna: >10000 mg/L; 48 Hr EC50 Daphnia magna: >1000 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.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

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

OfficeWorld.com does not independently verify, and accordingly does not warrant, the accuracy of any information contained in this MSDS.



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

Subtilisin carlsburg 9014-01-1 Present

U.S. - Minnesota - Hazardous Substance List

1,2-Propanediol 57-55-6 Present

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

1,2-Propanediol 57-55-6 sn 3595

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

1,2-Propanediol 57-55-6 Present

U.S. - Rhode Island - Hazardous Substance List

1,2-Propanediol 57-55-6 Flammable

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

62338-74949 - 30 oz. - RESOLVE® (formerly SPRAY'N WASH®) Laundry Stain Remover - Trigger - 0137240

62338-75551 - 60 oz. - RESOLVE® (formerly SPRAY'N WASH®) Laundry Stain Remover - Refill - 0137240

62338-00230 - 22 oz. - RESOLVE® (formerly SPRAY'N WASH®) Laundry Stain Remover - Trigger - 0137240

62338-01445 - 30 oz. - RESOLVE® (formerly SPRAY'N WASH®) Laundry Stain Remover - Lemon Power™ Trigger - 0137239

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.

