1. Product and Company Identification

Product Name: RESOLVE® Oxi-Action Crystal White (Powder)
CAS #: Mixture
Product Use: Stain remover
Distributed by: Reckitt Benckiser (Canada) Inc.
1680 Tech Avenue Unit #2
Mississauga, ON L4W 5S9
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

- Health: 4
- Flammability: 1
- Physical Hazard: 1
- Personal Protection: B

2. Hazards Identification

Emergency Overview:
CAUTION
MAY IRRITATE EYES AND SKIN.
Do not get in eyes, on skin or on clothing.
Keep out of reach of children.

Potential Short Term Health Effects

- Routes of Exposure:
  - Eyes: None expected during normal conditions of use.
  - Skin: Irritating to skin.
  - Inhalation: None expected during normal conditions of use.
  - Ingestion: Not likely to be a route of exposure.

- Health Injuries:
  - Eyes: May cause eye irritation upon direct contact with the eyes.
  - Skin: Irritating to skin.
  - Inhalation: Not expected to be a skin sensitizer.
  - Ingestion: Health injuries are not known or expected under normal use.

- 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, oedema, drying, defatting and cracking of the skin.
  - Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

- Potential Environmental Effects:
  - Components of this product have been identified as having potential environmental concerns.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtilisin carlsburg</td>
<td>9014-01-1</td>
<td>0 - 0.1</td>
</tr>
<tr>
<td>Silicic acid, sodium salt</td>
<td>1344-09-8</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Alcohols, C12-15, ethoxylated</td>
<td>68131-39-5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>15 - 40</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>40 - 70</td>
</tr>
</tbody>
</table>
4. First Aid Measures

First aid procedures

Eye contact
If in eyes, IMMEDIATELY rinse with water. Remove any contact lenses and continue to flush eyes for at least 15 minutes. If irritation persists, get medical attention.

Skin contact
If on skin, rinse well with water. If irritation develops, get medical attention.

Inhalation
Move to fresh air.

Ingestion
If swallowed, rinse mouth and drink a glass of water. Call a Poison Control Centre or doctor IMMEDIATELY. Do not induce vomiting.

Notes to physician
Treat patient symptomatically.

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 WHMIS criteria.

Extinguishing media

Suitable extinguishing media
Treat for surrounding material.

Unsuitable extinguishing media
Not available

Protection of firefighters
Not available

Specific hazards arising from the chemical

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
Ensure adequate ventilation.
Avoid contact with eyes and skin.
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
Do not discharge into lakes, streams, ponds or public waters.

Methods for containment
Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up
Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

Handling
Do not get in eyes or on skin.
Wash hands immediately after use.
When using do not eat or drink.
Use according to package label instructions.
Do not reuse the empty container.

Storage
Keep out of reach of children. Keep out of reach of pets.
Store in a closed container away from incompatible materials.
Replace lid after each use and keep in cool dry place.
Do not re-use empty container.
Avoid moisture.
8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-15, ethoxylated</td>
<td>ACGIH-TLV Not established</td>
</tr>
<tr>
<td>Silicic acid, sodium salt</td>
<td>ACGIH-TLV Not established</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>ACGIH-TLV Not established</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>ACGIH-TLV Not established</td>
</tr>
<tr>
<td>Subtilisin carlsburg</td>
<td>ACGIH-TLV Ceiling: 0.0001 mg/m³</td>
</tr>
</tbody>
</table>

**Engineering controls**

General ventilation normally adequate.

**Personal protective equipment**

- **Eye/Face protection**
  - Safety glasses recommended.
  - Emergency responders should wear full eye and face protection.

- **Hand protection**
  - Protective gloves are recommended for prolonged or repeated exposure.
  - 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**
  - Avoid inhalation of dust.
  - 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**

- Avoid contact with eyes, skin and clothing.
- 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Powder</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>white with green speckles</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>powder</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Characteristic</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Solid</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>10.7 ± 0.2 (10%)</td>
</tr>
<tr>
<td><strong>Freezing point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Pour point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>&gt; 93.3 °C (&gt; 199.94 °F)</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flammability limits in air, lower, % by volume</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Flammability Limits in Air, Upper, % by Volume</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Specific gravity</strong></td>
<td>1.135 ± 30 g/l</td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

Reactivity
Possibility of hazardous reactions
Chemical stability
Conditions to avoid
Incompatible materials
Hazardous decomposition products

Octanol/water coefficient
Not available

This product may react with oxidizing agents.
Hazardous polymerisation does not occur.
Stable under recommended storage conditions.
Excessive heat. Exposure to moisture.
DO NOT MIX WITH BLEACH or use in conjunction with other household products.
May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Component analysis - LC50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-15, ethoxylated</td>
<td>Not available</td>
</tr>
<tr>
<td>Silicic acid, sodium salt</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>400 mg/m3 guinea pig</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>Not available</td>
</tr>
<tr>
<td>Subtilisin carlsburg</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-15, ethoxylated</td>
<td>2000 mg/kg rat</td>
</tr>
<tr>
<td>Silicic acid, sodium salt</td>
<td>1153 mg/kg rat</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>4090 mg/kg rat</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>2200 mg/kg mouse; 1034 mg/kg rat</td>
</tr>
<tr>
<td>Subtilisin carlsburg</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Effects of acute exposure

Eye
None expected during normal conditions of use.
May cause eye irritation upon direct contact with the eyes.

Skin
Irritating to skin.
Not expected to be a skin sensitizer.

Inhalation
None expected during normal conditions of use.

Ingestion
Not likely to be a route of exposure.
Health injuries are not known or expected under normal use.

Sensitisation
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.

Name of Toxicologically Synergistic Products
Not available
12. Ecological Information

Ecotoxicity

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

Ecotoxicity - Freshwater Algae - Acute Toxicity Data

<table>
<thead>
<tr>
<th>Component</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>242 mg/L</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>70 mg/L</td>
</tr>
</tbody>
</table>

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

<table>
<thead>
<tr>
<th>Component</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicic acid, sodium salt</td>
<td>301-478 mg/L</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>300 mg/L</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>70 mg/L</td>
</tr>
</tbody>
</table>

Ecotoxicity - Water Flea - Acute Toxicity Data

<table>
<thead>
<tr>
<th>Component</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicic acid, sodium salt</td>
<td>216 mg/L</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>265 mg/L</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>4.9 mg/L</td>
</tr>
</tbody>
</table>

Persistence and 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
Other adverse effects Not available

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations.
Waste from residues / unused products Dispose of in accordance with local regulations.
Contaminated packaging Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

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

Canada - WHMIS - Ingredient Disclosure List

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>WHMIS classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>Exempt - Consumer product</td>
</tr>
</tbody>
</table>

Inventory Status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory Name</th>
<th>On Inventory (Yes/No)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
</tbody>
</table>

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

RESOLVE® Oxi-Action Crystal White - Powder 0358260v.1.0

Issue date

20-Jul-2012

Effective Date

15-Jul-2012

Expiry Date

15-Jul-2015

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.