1. PRODUCT AND COMPANY IDENTIFICATION

Item Number / Product code: 382074
Product name: ULTRA VIVID® COLOR SAFE BLEACH (LIQUID) BY YES
Validation / Revision Date: 07/18/2005

Formula Number: 893-033 (Item Code 382074)
UPC Number and Size: 62338-00287 (50 oz.); 62338-00288 (100 oz.)
Product Description: Non-Chlorine liquid laundry bleach with Color Care®.
Manufacturer: Reckitt Benckiser North America, Inc.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
Emergency telephone number: 1-800-228-4722 (U.S.)
Transportation Emergencies: 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside the U.S. and Canada (North America), call: 703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components:</th>
<th>Wt %</th>
<th>ACGIH:</th>
<th>OSHA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXID 50% TECH</td>
<td>&lt; 5.0</td>
<td>TWA (TLV): 1 ppm @10</td>
<td>TWA (PEL): 1 ppm @10</td>
</tr>
<tr>
<td>7722-84-1</td>
<td></td>
<td></td>
<td>TWA (PEL): 1 mg/m³ @10</td>
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<tr>
<td>ALCOHOL ETHEROXYLATE 7EO</td>
<td>&lt; 5</td>
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<td>None</td>
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<td>68551-12-2</td>
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<tr>
<td>68584-22-5</td>
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</tbody>
</table>
3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION: EYE IRRITANT.
Avoid contact with eyes.

KEEP OUT OF REACH OF CHILDREN

4. FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin contact: Wash thoroughly with plenty of water. If irritation persists, get medical attention.

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. If irritation persists, consult a physician.

Ingestion: Rinse mouth with water. Contact a physician or Poison Control Center if symptoms develop. Never give an unconscious person anything to ingest

Notes to physician: No information available.

Aggravated Medical Conditions: No information available.

5. FIRE-FIGHTING MEASURES

Flash point: > 200 (°F)

Flammability Limits in Air:
   Lower: No information available.
   Upper: No information available.

Autoignition temperature: No information available.


Extinguishing media which must not be used for safety reasons: No information available.

Specific hazards: Contains dilute hydrogen peroxide, an oxidizer.

Unusual hazards: None known.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.

Specific methods: Standard procedure for chemical fires.

NFPA: Health: 2 Flammability: 0 Instability: 0
HMIS: Health: 2 Flammability: 0 Reactivity: 0

Key: Personal Protection Index = A. (Also see Section 3)
6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation.
Environmental precautions: Do not allow material to contaminate ground water system.
Methods for cleaning up: Small spills: Soak up with absorbent material and dispose of in an appropriate waste container. Rinse spills on walking surfaces with water and dry thoroughly to eliminate slipping hazard.
Large spills should be diked, contained and collected for later disposal according to local, provincial, state or federal regulations.

7. HANDLING AND STORAGE

Handling: CAUTION: EYE IRRITANT.
Safe handling advice: Avoid contact with the eyes.
Storage: Do not expose to heat or store at temperatures above 50º C (120º F).
Store containers in an upright position in a cool, dry area, inaccessible to small children and pets.
KEEP OUT OF REACH OF CHILDREN

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: For occupational exposures, ensure adequate ventilation.

Personal Protective Equipment

Respiratory protection: None required under normal use conditions.
Hand protection: None required under normal use conditions.
For sensitive skin or prolonged use, wear rubber gloves. Emergency responders should wear impermeable gloves.
Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.
Eye protection: Eye irritant, wear eye protection if the possibility of splashing exists. Emergency responders should wear full eye and face protection.
Hygiene measures: 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

Physical state: Liquid.
Appearance: Liquid.
Colour: Amber
Odour: Fruity.
pH: 4.0 (Acidic)
Flash point: Greater than 93º C (>200º F)
Specific gravity: 1.0179 - 1.0279 (Water = 1)

Product code: 382074
Product name: ULTRA VIVID® COLOR SAFE BLEACH (LIQUID) BY YES
Vapour pressure: Not determined.
Solubility: Completely soluble.

**Explosion limits:**
- upper: No data available.
- lower: No data available.

### 10. STABILITY AND REACTIVITY

**Stability:** Do not expose to heat or store at temperatures above 50º C (120º F).
**Polymerization:** Hazardous polymerisation does not occur.
**Hazardous decomposition products:** Oxygen
**Materials to avoid:** Do not mix with other household chemicals.
**Conditions to avoid:** Store away from excessive heat and moisture.

### 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Component Information**

**Product Information**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50/inhalation/4h/rat</td>
<td>No information available.</td>
</tr>
<tr>
<td>LD50/dermal/rabbit</td>
<td>No information available.</td>
</tr>
<tr>
<td>LD50/oral/rat</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

**Local effects**

- **Skin irritation:** May be irritating to sensitive skin or in the case of prolonged contact with the liquid. For sensitive skin or prolonged use, wear impervious gloves.
- **Eye irritation:** Eye irritant.
- **Inhalation** None expected during normal conditions of use.
- **Ingestion** Health injuries are not known or expected under normal use.
- **Sensitization** Not expected to be a skin sensitiser.
- **Chronic toxicity:** No information available.

**Specific effects**

- **Carcinogenic effects:** Not listed as carcinogenic by OSHA, NTP or IARC.
- **Mutagenic effects:** No information available.
- **Reproductive toxicity:** No information available.
- **Target organ effects:** No information available.

Information is based on data on the components and the toxicology of similar products.

### 12. ECOLOGICAL INFORMATION

**Product Information**

Product code: 382074
Product name: ULTRA VIVID® COLOR SAFE BLEACH (LIQUID) BY YES
Aquatic toxicity: No information available.

Component Information

HYDROGEN PEROXID 50% TECH
Ecotoxicity: = 42 mg/L LC50 carp

Other information

Ozone depletion potential; ODP; (R-11 = 1) = No information available.
Global warming potential (GWP) = No information available.

13. DISPOSAL CONSIDERATIONS

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.
Waste Disposal: Small quantities of waste liquid may be discharged into a sanitary sewer. Discard any absorbed material in trash collection. Rinse empty container thoroughly and discard in trash or recycle. Large quantities of waste liquid: Contain and collect for evaluation and disposal according to local, state, provincial and federal regulations.

14. TRANSPORT INFORMATION

UN / Id No: Not applicable
DOT: Not a DOT regulated material. (United States)
Classification: Not applicable
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

TDG (Canada):
Classification: Not regulated under TDG
Proper shipping name: Not applicable
Status: Not applicable
Packing Group: Not applicable

IMDG / IMO
Classification: Not regulated under IMDG
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: See Guide

ADR / RID
Classification: Not applicable
Proper shipping name: Not applicable
Class: Not applicable
Subsidiary risk: Not applicable

Product code: 382074
Product name: ULTRA VIVID® COLOR SAFE BLEACH (LIQUID) BY YES
15. REGULATORY INFORMATION

<table>
<thead>
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<th></th>
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</thead>
<tbody>
<tr>
<td>HYDROGEN PEROXID 50% TECH</td>
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<td>ALCOHOL ETHOXYLATE 7EO</td>
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</tr>
<tr>
<td>ALKYLBENZENESULFONIC ACID</td>
<td><em>REQUIRED BUT MISSING</em></td>
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<td>Present</td>
<td>Present</td>
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</tr>
</tbody>
</table>

Canada

WHMIS hazard class: Not determined.

16. OTHER INFORMATION

Health Hazard | 2
Fire Hazard | 0
Reactivity | 0
Personal Protection | A

Reason for revision: This is a new formulation of an existing product.

Additional advice: Consult your supplier if the material is to be used for special applications such as in the food industry or for hygiene, medical or surgical end-use.

Prepared by: Product Safety Department.

Disclaimer: 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.