1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: OxiClean Rinse Aid & Detergent Performance Booster
Product Code(s): MSDS-1713
Recommended Use: Dishwasher Rinse Aid.
Product Type: Mixture
Synonyms: Detergent Booster
Manufactured by: Church & Dwight Co., Inc.
469 N. Harrison Street
Princeton, NJ 08543

For further information, please also consult our Internet site www.churchdwight.com

2. HAZARDS IDENTIFICATION

Potential Health Effects
Principle Routes of Exposure: Eye contact, Ingestion, Inhalation, Skin contact.

Acute Toxicity
- Eyes: May cause burns.
- Skin: Prolonged skin contact may cause burns.
- Inhalation: Avoid breathing vapors or mists. May cause irritation.
- Ingestion: May be harmful if swallowed.

Chronic Effects: None known.
Aggravated Medical Conditions
None known

Environmental Hazard
See Section 12 for additional Ecological Information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>60-70</td>
</tr>
<tr>
<td>Polyethylene-polypropylene glycol</td>
<td>9003-11-6</td>
<td>20-30</td>
</tr>
<tr>
<td>Glycolic acid</td>
<td>79-14-1</td>
<td>5-15</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**Eye Contact**
Immediately flush eyes with large amounts of clean, flowing water for at least 15 minutes, occasionally lifting upper and lower eyelids. Get medical attention immediately if irritation persists.

**Inhalation**
Move to fresh air. If not breathing, have a trained person give artificial respiration. If symptoms persist, call a physician.

**Skin Contact**
Wash skin with soap and water. If skin irritation persists, call a physician.

**Ingestion**
Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water.

**Notes to Physician**
Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Flammable Properties**
Not flammable

**Flash Point**
N/A

**Flammability Limits in Air**
Not flammable

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Hazardous Combustion Products**
Carbon oxides

**Explosion Data**

<table>
<thead>
<tr>
<th>Sensitivity to Mechanical Impact</th>
<th>Not sensitive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity to Static Discharge</td>
<td>Not sensitive</td>
</tr>
</tbody>
</table>

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**
Isolate spill area and deny entry to unauthorized persons. Avoid contact with skin, eyes and clothing. Wear protective gloves/clothing and eyes/face protection.

**Methods for Containment**
Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Place material in clean, dry containers.
6. ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up
Contain spill and pick up with absorbent material. Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Handling
Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection
Avoid contact with eyes. Safety glasses with side-shields. Goggles recommended for handling bulk liquid and for cleaning up spills.. Eyewash facility is recommended for the work area or close proximity.

Skin and Body Protection
Wear chemical resistant gloves where prolonged or repeated contact may occur. Impervious gloves for handling bulk material and during cleanup of spills..

Respiratory Protection
Maintain adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Blue</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>2.1</td>
</tr>
<tr>
<td>Flash Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>93°C / 200°F</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>NA</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.06</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>NA</td>
</tr>
<tr>
<td>VOC Content</td>
<td>None</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>NA</td>
</tr>
<tr>
<td>Explosion Limits</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Completely soluble</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No information available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability
Stable under recommended storage conditions.
### 11. TOXICOLOGICAL INFORMATION

#### Acute Toxicity

**Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>90 mL/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyethylene-polypropylene glycol</td>
<td>5700 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycolic acid</td>
<td>1950 mg/kg</td>
<td></td>
<td>7.7 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>

#### Chronic Toxicity

**Chronic Toxicity**

None known.

**Target Organ Effects**

None known.

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Large amounts will affect pH and harm aquatic organisms.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycolic acid</td>
<td>LC50&gt; 5000 mg/L</td>
<td>Brachydanio rerio 96 h</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Persistence and Degradability

Product is biodegradable

#### Bioaccumulation/Accumulation

Not likely to bioaccumulate

### 13. DISPOSAL CONSIDERATIONS

#### Waste Disposal Method

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). US EPA waste number: D002, Corrosive. Dispose of in accordance with all applicable national environmental laws and regulations.

#### Contaminated Packaging

Dispose of in accordance with local regulations.
### 14. TRANSPORT INFORMATION

**DOT**
- **Proper Shipping Name**: Consumer Commodity
- **Hazard Class**: 8
- **UN-No**: UN3265
- **Packing Group**: III

**TDG**
- **Proper Shipping Name**: Corrosive liquid, acidic, organic, n.o.s (glycolic acid)
- **Hazard Class**: 8
- **UN-No**: UN3265
- **Packing Group**: III

**ICAO**
- **UN-No**: UN3265
- **Hazard Class**: 8
- **Packing Group**: III

**IATA**
- **UN-No**: UN3265
- **Proper Shipping Name**: Corrosive liquid, acidic, organic, n.o.s
- **Hazard Class**: 8
- **Packing Group**: III
- **ERG Code**: 8L
- **Max Qty for Passenger**: 5 L
- **Max Qty for Cargo**: 60 L
- **LQ**: 1 L

**IMDG/IMO**
- **Proper Shipping Name**: Corrosive liquid, acidic, organic, n.o.s (glycolic acid)
- **Hazard Class**: 8
- **Subsidiary Class**: +
- **UN-No**: UN3265
- **Packing Group**: III
- **EmS No.**: F-A, S-B

**RID**
- **Proper Shipping Name**: Corrosive liquid, acidic, organic, n.o.s (glycolic acid)
- **Hazard Class**: 8
- **UN-No**: UN3265
- **Packing Group**: III
- **Classification Code**: C3

**ADR**
- **Proper Shipping Name**: Corrosive liquid, acidic, organic, n.o.s (glycolic acid)
- **Hazard Class**: 8
- **UN-No**: UN3265
- **Packing Group**: III
- **Classification Code**: C3

**ADN**
- **Proper Shipping Name**: Corrosive liquid, acidic, organic, n.o.s (glycolic acid)
- **Hazard Class**: 8
- **UN-No**: UN3265
- **Packing Group**: III
- **Classification Code**: C3
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>EIN/ELN</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>KE-35400</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>Polyethylene-polypropylene glycol</td>
<td>XU</td>
<td></td>
<td>-</td>
<td>(7)-1246</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Glycolic acid</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td>(2)-1346</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. Federal Regulations

RCRA
If this material becomes waste, it would be a hazardous waste by characteristic of corrosivity due to its pH. A waste having the characteristic of corrosivity has the EPA Hazardous Waste Number D002.

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

- Acute Health Hazard: Yes
- Chronic Health Hazard: No
- Sudden Release of Pressure Hazard: No
- Fire Hazard: No
- Reactive Hazard: No

Clean Water Act
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Mexico - Grade
No information available.
Canada

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

WHMIS Hazard Class
Not determined

16. OTHER INFORMATION

Prepared By        Church & Dwight Co. Inc.
                   Product Stewardship
                   469 North Harrison Street
                   Princeton, New Jersey 08543
                   609.279.7705

Revision Date      06-Sep-2012

Reason for Revision No information available

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS