



# OxiClean™ Max Force™ Laundry Stain Remover

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 04/21/2015 Date of issue: 04/21/2015

Version: 1.0

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** OxiClean™ Max Force™ Laundry Stain Remover

**Synonyms:** Detergent

### Intended Use of the Product

Multi-purpose stain remover

### Name, Address, and Telephone of the Responsible Party

#### **Company**

Church & Dwight

500 Charles Ewing Blvd

Ewing Township, NJ 08628

T 1-800-524-1328

[www.churchdwight.com](http://www.churchdwight.com)

### Emergency Telephone Number

**Emergency Number** : For Medical Emergency: 1-888-234-1828, For Chemical Emergency: 1-800-424-9300 (CHEMTREC)

## SECTION 2: HAZARDS IDENTIFICATION

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

### Classification of the Substance or Mixture

#### **Classification (GHS-US)**

Eye Dam. 1 H318

Resp. Sens. 1 H334

Skin Sens. 1 H317

Aquatic Acute 2 H401

Full text of H-phrases: see section 16

### Label Elements

#### **GHS-US Labeling**

#### **Hazard Pictograms (GHS-US)**

:



GHS05



GHS08

#### **Signal Word (GHS-US)**

: Danger

#### **Hazard Statements (GHS-US)**

: H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H401 - Toxic to aquatic life.

#### **Precautionary Statements (GHS-US)**

: P261 - Avoid breathing vapors, mist, or spray.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P284 - [In case of inadequate ventilation] wear respiratory protection.

P302+P352 - If on skin: Wash with plenty of water.

P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position

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comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a poison center or doctor.

P321 - Specific treatment (see section 4 on this SDS).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Other Hazards** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**Unknown Acute Toxicity (GHS-US)** Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

| Name                                              | Product Identifier     | % (w/w) | Classification (GHS-US)                                                                           |
|---------------------------------------------------|------------------------|---------|---------------------------------------------------------------------------------------------------|
| Water                                             | (CAS No) 7732-18-5     | 60 -100 | Not classified                                                                                    |
| Alcohols, C12-15, ethoxylated                     | (CAS No) 68131-39-5    | 10 - 30 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |
| 1,2-Propylene glycol                              | (CAS No) 57-55-6       | 1 - 5   | Not classified                                                                                    |
| Sodium tetraborate decahydrate                    | (CAS No) 1303-96-4     | 0.1 - 1 | Eye Irrit. 2A, H319<br>Repr. 1B, H360                                                             |
| Citric acid                                       | (CAS No) 77-92-9       | 0.1 - 1 | Comb. Dust<br>Eye Irrit. 2A, H319                                                                 |
| Acusol 425N Polymer                               | (CAS No) Not available | 0.1 - 1 | Not classified                                                                                    |
| Savinase Ultra 16 L, contains proteolytic enzymes | (CAS No) Not available | 0.1 - 1 | Eye Irrit. 2A, H319<br>Resp. Sens. 1, H334<br>Skin Sens. 1A, H317                                 |
| Sodium hydroxide                                  | (CAS No) 1310-73-2     | 0.1 - 1 | Met. Corr. 1, H290<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 3, H402            |
| Amylase, .alpha.-                                 | (CAS No) 9000-90-2     | 0.1 - 1 | Resp. Sens. 1, H334                                                                               |
| Mannanase, endo-1,4-.beta.-                       | (CAS No) 37288-54-3    | 0.1 - 1 | Resp. Sens. 1, H334                                                                               |

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition.

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Seek medical attention immediately.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Causes serious eye damage. Exposure may produce an allergic reaction.

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**Inhalation:** May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Skin Contact:** May cause an allergic skin reaction. May cause skin irritation.

**Eye Contact:** Symptoms may include: Redness. Pain. Blurred vision. Severe burns.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** May produce an allergic reaction.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Product is not flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Toxic fumes may be released. Oxides of silicon and carbon. Sulfur oxides.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water sources.

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Handle in accordance with good industrial hygiene and safety practice. Spilled material may present a slipping hazard. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

**Environmental Precautions** Prevent entry to sewers and public waters. Avoid release to the environment.

### **Methods and Material for Containment and Cleaning Up**

**For Containment:** As an immediate precautionary measure, isolate spill or leak area in all directions.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Contact competent authorities after a spill.

### **Reference to Other Sections**

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Additional Hazards When Processed:** When heated, material emits irritating fumes.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

### **Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Protect from freezing. Keep/Store away from extremely high or low temperatures, direct sunlight, heat, incompatible materials.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

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**Specific End Use(s)** Laundry Detergent.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

| 1,2-Propylene glycol (57-55-6)             |                                          |                                                                                                                                                                                   |
|--------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ontario                                    | OEL TWA (mg/m <sup>3</sup> )             | 10 mg/m <sup>3</sup> (for assessing the visibility in a work environment where 1,2-Propylene glycol aerosol is present-aerosol only)<br>155 mg/m <sup>3</sup> (aerosol and vapor) |
| Ontario                                    | OEL TWA (ppm)                            | 50 ppm (aerosol and vapor)                                                                                                                                                        |
| Sodium tetraborate decahydrate (1303-96-4) |                                          |                                                                                                                                                                                   |
| USA ACGIH                                  | ACGIH TWA (mg/m <sup>3</sup> )           | 2 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| USA ACGIH                                  | ACGIH STEL (mg/m <sup>3</sup> )          | 6 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| USA ACGIH                                  | ACGIH chemical category                  | Not Classifiable as a Human Carcinogen                                                                                                                                            |
| USA NIOSH                                  | NIOSH REL (TWA) (mg/m <sup>3</sup> )     | 5 mg/m <sup>3</sup>                                                                                                                                                               |
| Alberta                                    | OEL STEL (ppm)                           | 3 ppm                                                                                                                                                                             |
| Alberta                                    | OEL TWA (mg/m <sup>3</sup> )             | 1 mg/m <sup>3</sup>                                                                                                                                                               |
| British Columbia                           | OEL STEL (mg/m <sup>3</sup> )            | 6 mg/m <sup>3</sup> (inhalable)                                                                                                                                                   |
| British Columbia                           | OEL TWA (mg/m <sup>3</sup> )             | 2 mg/m <sup>3</sup> (inhalable)                                                                                                                                                   |
| Manitoba                                   | OEL STEL (mg/m <sup>3</sup> )            | 6 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| Manitoba                                   | OEL TWA (mg/m <sup>3</sup> )             | 2 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| New Brunswick                              | OEL TWA (mg/m <sup>3</sup> )             | 5 mg/m <sup>3</sup>                                                                                                                                                               |
| Newfoundland & Labrador                    | OEL STEL (mg/m <sup>3</sup> )            | 6 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| Newfoundland & Labrador                    | OEL TWA (mg/m <sup>3</sup> )             | 2 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| Nova Scotia                                | OEL STEL (mg/m <sup>3</sup> )            | 6 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| Nova Scotia                                | OEL TWA (mg/m <sup>3</sup> )             | 2 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| Nunavut                                    | OEL STEL (mg/m <sup>3</sup> )            | 10 mg/m <sup>3</sup>                                                                                                                                                              |
| Nunavut                                    | OEL TWA (mg/m <sup>3</sup> )             | 5 mg/m <sup>3</sup>                                                                                                                                                               |
| Northwest Territories                      | OEL STEL (mg/m <sup>3</sup> )            | 10 mg/m <sup>3</sup>                                                                                                                                                              |
| Northwest Territories                      | OEL TWA (mg/m <sup>3</sup> )             | 5 mg/m <sup>3</sup>                                                                                                                                                               |
| Ontario                                    | OEL STEL (mg/m <sup>3</sup> )            | 6 mg/m <sup>3</sup> (inhalable)                                                                                                                                                   |
| Ontario                                    | OEL TWA (mg/m <sup>3</sup> )             | 2 mg/m <sup>3</sup> (inhalable)                                                                                                                                                   |
| Prince Edward Island                       | OEL STEL (mg/m <sup>3</sup> )            | 6 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| Prince Edward Island                       | OEL TWA (mg/m <sup>3</sup> )             | 2 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| Québec                                     | VEMP (mg/m <sup>3</sup> )                | 5 mg/m <sup>3</sup>                                                                                                                                                               |
| Saskatchewan                               | OEL STEL (mg/m <sup>3</sup> )            | 6 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| Saskatchewan                               | OEL TWA (mg/m <sup>3</sup> )             | 2 mg/m <sup>3</sup> (inhalable fraction)                                                                                                                                          |
| Sodium hydroxide (1310-73-2)               |                                          |                                                                                                                                                                                   |
| USA ACGIH                                  | ACGIH Ceiling (mg/m <sup>3</sup> )       | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| USA OSHA                                   | OSHA PEL (TWA) (mg/m <sup>3</sup> )      | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| USA NIOSH                                  | NIOSH REL (ceiling) (mg/m <sup>3</sup> ) | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| USA IDLH                                   | US IDLH (mg/m <sup>3</sup> )             | 10 mg/m <sup>3</sup>                                                                                                                                                              |
| Alberta                                    | OEL Ceiling (mg/m <sup>3</sup> )         | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| British Columbia                           | OEL Ceiling (mg/m <sup>3</sup> )         | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| Manitoba                                   | OEL Ceiling (mg/m <sup>3</sup> )         | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| New Brunswick                              | OEL Ceiling (mg/m <sup>3</sup> )         | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| Newfoundland & Labrador                    | OEL Ceiling (mg/m <sup>3</sup> )         | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| Nova Scotia                                | OEL Ceiling (mg/m <sup>3</sup> )         | 2 mg/m <sup>3</sup>                                                                                                                                                               |
| Nunavut                                    | OEL Ceiling (mg/m <sup>3</sup> )         | 2 mg/m <sup>3</sup>                                                                                                                                                               |

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|                                                      |                                       |                                                 |
|------------------------------------------------------|---------------------------------------|-------------------------------------------------|
| <b>Northwest Territories</b>                         | OEL Ceiling (mg/m <sup>3</sup> )      | 2 mg/m <sup>3</sup>                             |
| <b>Ontario</b>                                       | OEL Ceiling (mg/m <sup>3</sup> )      | 2 mg/m <sup>3</sup>                             |
| <b>Prince Edward Island</b>                          | OEL Ceiling (mg/m <sup>3</sup> )      | 2 mg/m <sup>3</sup>                             |
| <b>Québec</b>                                        | PLAFOND (mg/m <sup>3</sup> )          | 2 mg/m <sup>3</sup>                             |
| <b>Saskatchewan</b>                                  | OEL Ceiling (mg/m <sup>3</sup> )      | 2 mg/m <sup>3</sup>                             |
| <b>Yukon</b>                                         | OEL Ceiling (mg/m <sup>3</sup> )      | 2 mg/m <sup>3</sup>                             |
| <b>Subtilisins (proteolytic enzymes) (9014-01-1)</b> |                                       |                                                 |
| <b>USA ACGIH</b>                                     | ACGIH Ceiling (mg/m <sup>3</sup> )    | 0.00006 mg/m <sup>3</sup>                       |
| <b>USA NIOSH</b>                                     | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 0.00006 mg/m <sup>3</sup>                       |
| <b>Alberta</b>                                       | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup>                       |
| <b>British Columbia</b>                              | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup>                       |
| <b>Manitoba</b>                                      | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup>                       |
| <b>New Brunswick</b>                                 | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup> (proteolytic enzymes) |
| <b>Newfoundland &amp; Labrador</b>                   | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup>                       |
| <b>Nova Scotia</b>                                   | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup>                       |
| <b>Nunavut</b>                                       | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup> (Proteolytic enzymes) |
| <b>Northwest Territories</b>                         | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup> (Proteolytic enzymes) |
| <b>Ontario</b>                                       | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup>                       |
| <b>Prince Edward Island</b>                          | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup>                       |
| <b>Québec</b>                                        | PLAFOND (mg/m <sup>3</sup> )          | 0.00006 mg/m <sup>3</sup> (Proteolytic enzymes) |
| <b>Saskatchewan</b>                                  | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup>                       |
| <b>Yukon</b>                                         | OEL Ceiling (mg/m <sup>3</sup> )      | 0.00006 mg/m <sup>3</sup> (Proteolytic enzymes) |

### Exposure Controls

**Appropriate Engineering Controls:** For occupational/workplace settings: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** For occupational/workplace settings and bulk quantities: Gloves. Protective clothing. Protective goggles.



**Materials for Protective Clothing:** For occupational/workplace settings: Chemically resistant materials and fabrics.

**Hand Protection:** For occupational/workplace settings: Wear chemically resistant protective gloves.

**Eye Protection:** For occupational/workplace settings: Chemical safety goggles.

**Skin and Body Protection:** For occupational/workplace settings: Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

|                                  |                                        |
|----------------------------------|----------------------------------------|
| <b>Physical State</b>            | : Liquid                               |
| <b>Appearance</b>                | : Blue, Colorless Clear, Slight yellow |
| <b>Odor</b>                      | : Citrus, floral                       |
| <b>Odor Threshold</b>            | : Not available                        |
| <b>pH</b>                        | : 8 - 8.5                              |
| <b>Evaporation Rate</b>          | : Not available                        |
| <b>Melting Point</b>             | : Not available                        |
| <b>Freezing Point</b>            | : Not available                        |
| <b>Boiling Point</b>             | : Not available                        |
| <b>Flash Point</b>               | : Not combustible                      |
| <b>Auto-ignition Temperature</b> | : Not available                        |
| <b>Decomposition Temperature</b> | : Not available                        |

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|                                                   |                                                                         |
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| Flammability (solid, gas)                         | : Not available                                                         |
| Lower Flammable Limit                             | : Not available                                                         |
| Upper Flammable Limit                             | : Not available                                                         |
| Vapor Pressure                                    | : Not available                                                         |
| Relative Vapor Density at 20 °C                   | : Not available                                                         |
| Specific Gravity                                  | : 1.02                                                                  |
| Solubility                                        | : Complete in water                                                     |
| Partition Coefficient: N-Octanol/Water            | : Not available                                                         |
| Viscosity                                         | : 300 cP                                                                |
| Explosion Data – Sensitivity to Mechanical Impact | : Not expected to present an explosion hazard due to mechanical impact. |
| Explosion Data – Sensitivity to Static Discharge  | : Not expected to present an explosion hazard due to static discharge.  |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Stable at standard temperature and pressure.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** None known.

**Incompatible Materials:** None known.

**Hazardous Decomposition Products:** Oxides of carbon, nitrogen and sulfur. Oxides of sulfur are toxic.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Not classified (pH: 8 - 8.5)

**Serious Eye Damage/Irritation:** Causes serious eye damage. (pH: 8 - 8.5)

**Respiratory or Skin Sensitization:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified (Boric acid and sodium borates have been considered as being "toxic to reproduction and development", following results of animal studies with high doses. These exposure levels are considerably lower than exposures which have previously led to reproductive effects in experimental animals. Dose levels of boron associated with developmental and reproductive toxic effects in animals are by far not reachable for humans under conditions of normal handling and use.)

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction. May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** Symptoms may include: Redness. Pain. Blurred vision. Severe burns.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** May produce an allergic reaction.

### Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

|                                                   |             |
|---------------------------------------------------|-------------|
| <b>Alcohols, C12-15, ethoxylated (68131-39-5)</b> |             |
| LD50 Oral Rat                                     | 1600 mg/kg  |
| LD50 Dermal Rabbit                                | 2500 mg/kg  |
| <b>1,2-Propylene glycol (57-55-6)</b>             |             |
| LD50 Oral Rat                                     | 20000 mg/kg |
| LD50 Dermal Rabbit                                | 20800 mg/kg |
| <b>Sodium tetraborate decahydrate (1303-96-4)</b> |             |
| LD50 Oral Rat                                     | 3493 mg/kg  |

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|                       |               |
|-----------------------|---------------|
| LD50 Dermal Rabbit    | > 10000 mg/kg |
| Citric acid (77-92-9) |               |
| LD50 Oral Rat         | 5400 mg/kg    |
| LD50 Dermal Rat       | > 2000 mg/kg  |

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Ecology - General:** Toxic to aquatic life.

|                                            |                                                                          |
|--------------------------------------------|--------------------------------------------------------------------------|
| Alcohols, C12-15, ethoxylated (68131-39-5) |                                                                          |
| LC50 Fish 1                                | 0.59 mg/l                                                                |
| 1,2-Propylene glycol (57-55-6)             |                                                                          |
| LC50 Fish 1                                | 51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 1                             | 10000 mg/l (Exposure time: 24 h - Species: Daphnia magna)                |
| EC50 Daphnia 2                             | 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])        |
| Citric acid (77-92-9)                      |                                                                          |
| LC50 Fish 1                                | 1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])  |
| Sodium hydroxide (1310-73-2)               |                                                                          |
| LC50 Fish 1                                | 45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])  |
| EC50 Daphnia 1                             | 40 mg/l                                                                  |

### Persistence and Degradability

|                               |                                 |
|-------------------------------|---------------------------------|
| Citric acid (77-92-9)         |                                 |
| Persistence and Degradability | Readily biodegradable in water. |

### Bioaccumulative Potential

|                                |                  |
|--------------------------------|------------------|
| 1,2-Propylene glycol (57-55-6) |                  |
| BCF Fish 1                     | < 1              |
| Log POW                        | -0.92            |
| Citric acid (77-92-9)          |                  |
| Log POW                        | -1.72 (at 20 °C) |

**Mobility in Soil** Not available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## SECTION 14: TRANSPORT INFORMATION

|                                       |                             |
|---------------------------------------|-----------------------------|
| <b><u>In Accordance with DOT</u></b>  | Not regulated for transport |
| <b><u>In Accordance with IMDG</u></b> | Not regulated for transport |
| <b><u>In Accordance with IATA</u></b> | Not regulated for transport |
| <b><u>In Accordance with TDG</u></b>  | Not regulated for transport |

## SECTION 15: REGULATORY INFORMATION

### US Federal and International Regulations

|                                                                                                                                                                                                                                                                                                                                                             |                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| OxiClean™ Max Force™ Laundry Stain Remover                                                                                                                                                                                                                                                                                                                  |                                                                    |
| SARA Section 311/312 Hazard Classes                                                                                                                                                                                                                                                                                                                         | Immediate (acute) health hazard<br>Delayed (chronic) health hazard |
| Water (7732-18-5)                                                                                                                                                                                                                                                                                                                                           |                                                                    |
| <b>Regional Legislation</b><br>Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on the Canadian DSL (Domestic Substances List)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |                                                                    |

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Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory

### **Alcohols, C12-15, Ethoxylated (68131-39-5)**

#### **Regional Legislation**

Listed on the EU NLP (No Longer Polymers) inventory  
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Canadian DSL (Domestic Substances List)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)

### **1,2-Propylene Glycol (57-55-6)**

#### **Regional Legislation**

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Canadian DSL (Domestic Substances List)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on the Canadian IDL (Ingredient Disclosure List)

### **Sodium Tetraborate Decahydrate (1303-96-4)**

#### **Regional Legislation**

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Canadian DSL (Domestic Substances List)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on the Canadian IDL (Ingredient Disclosure List)

### **Citric Acid (77-92-9)**

#### **Regional Legislation**

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Canadian DSL (Domestic Substances List)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on the Canadian IDL (Ingredient Disclosure List)

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|                                                                                                    |                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sodium Hydroxide (1310-73-2)</b>                                                                |                                                                                                                                                                     |
| <b>Regional Legislation</b>                                                                        |                                                                                                                                                                     |
| Listed on the AICS (Australian Inventory of Chemical Substances)                                   |                                                                                                                                                                     |
| Listed on the Canadian DSL (Domestic Substances List)                                              |                                                                                                                                                                     |
| Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)          |                                                                                                                                                                     |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |                                                                                                                                                                     |
| Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory                         |                                                                                                                                                                     |
| Listed on the Korean ECL (Existing Chemicals List)                                                 |                                                                                                                                                                     |
| Listed on NZIoC (New Zealand Inventory of Chemicals)                                               |                                                                                                                                                                     |
| Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)                       |                                                                                                                                                                     |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory                          |                                                                                                                                                                     |
| Japanese Poisonous and Deleterious Substances Control Law                                          |                                                                                                                                                                     |
| Listed on the Canadian IDL (Ingredient Disclosure List)                                            |                                                                                                                                                                     |
| <b>US State Regulations</b>                                                                        |                                                                                                                                                                     |
| <b>1,2-Propylene glycol (57-55-6)</b>                                                              |                                                                                                                                                                     |
| U.S. - New Jersey - Right to Know Hazardous Substance List                                         |                                                                                                                                                                     |
| U.S. - Pennsylvania - RTK (Right to Know) List                                                     |                                                                                                                                                                     |
| <b>Sodium tetraborate decahydrate (1303-96-4)</b>                                                  |                                                                                                                                                                     |
| U.S. - Massachusetts - Right To Know List                                                          |                                                                                                                                                                     |
| U.S. - New Jersey - Right to Know Hazardous Substance List                                         |                                                                                                                                                                     |
| U.S. - Pennsylvania - RTK (Right to Know) List                                                     |                                                                                                                                                                     |
| <b>Sodium hydroxide (1310-73-2)</b>                                                                |                                                                                                                                                                     |
| U.S. - Massachusetts - Right To Know List                                                          |                                                                                                                                                                     |
| U.S. - New Jersey - Right to Know Hazardous Substance List                                         |                                                                                                                                                                     |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List                              |                                                                                                                                                                     |
| U.S. - Pennsylvania - RTK (Right to Know) List                                                     |                                                                                                                                                                     |
| <b>Canadian Regulations</b>                                                                        |                                                                                                                                                                     |
| <b>OxiClean™ Max Force™ Laundry Stain Remover</b>                                                  |                                                                                                                                                                     |
| WHMIS Classification                                                                               | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
|                 |                                                                                                                                                                     |
| <b>Water (7732-18-5)</b>                                                                           |                                                                                                                                                                     |
| Listed on the Canadian DSL (Domestic Substances List)                                              |                                                                                                                                                                     |
| WHMIS Classification                                                                               | Uncontrolled product according to WHMIS classification criteria                                                                                                     |
| <b>Alcohols, C12-15, ethoxylated (68131-39-5)</b>                                                  |                                                                                                                                                                     |
| Listed on the Canadian DSL (Domestic Substances List)                                              |                                                                                                                                                                     |
| WHMIS Classification                                                                               | Class D Division 2 Subdivision B - Toxic material causing other toxic effects                                                                                       |
| <b>1,2-Propylene glycol (57-55-6)</b>                                                              |                                                                                                                                                                     |
| Listed on the Canadian DSL (Domestic Substances List)                                              |                                                                                                                                                                     |
| Listed on the Canadian IDL (Ingredient Disclosure List)                                            |                                                                                                                                                                     |
| IDL Concentration 1 %                                                                              |                                                                                                                                                                     |
| WHMIS Classification                                                                               | Uncontrolled product according to WHMIS classification criteria                                                                                                     |
| <b>Sodium tetraborate decahydrate (1303-96-4)</b>                                                  |                                                                                                                                                                     |
| Listed on the Canadian DSL (Domestic Substances List)                                              |                                                                                                                                                                     |
| Listed on the Canadian IDL (Ingredient Disclosure List)                                            |                                                                                                                                                                     |
| IDL Concentration 1 %                                                                              |                                                                                                                                                                     |
| WHMIS Classification                                                                               | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects                                                                                  |

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|                                                         |                                                                                    |
|---------------------------------------------------------|------------------------------------------------------------------------------------|
|                                                         | Class D Division 2 Subdivision B - Toxic material causing other toxic effects      |
| <b>Citric acid (77-92-9)</b>                            |                                                                                    |
| Listed on the Canadian DSL (Domestic Substances List)   |                                                                                    |
| Listed on the Canadian IDL (Ingredient Disclosure List) |                                                                                    |
| IDL Concentration 1 %                                   |                                                                                    |
| WHMIS Classification                                    | Class D Division 2 Subdivision B - Toxic material causing other toxic effects      |
| <b>Sodium hydroxide (1310-73-2)</b>                     |                                                                                    |
| Listed on the Canadian DSL (Domestic Substances List)   |                                                                                    |
| Listed on the Canadian IDL (Ingredient Disclosure List) |                                                                                    |
| IDL Concentration 1 %                                   |                                                                                    |
| WHMIS Classification                                    | Class E - Corrosive Material                                                       |
| <b>Savinase Ultra 16 L</b>                              |                                                                                    |
| WHMIS Classification                                    | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| <b>Amylase, .alpha.- (9000-90-2)</b>                    |                                                                                    |
| Listed on the Canadian DSL (Domestic Substances List)   |                                                                                    |
| WHMIS Classification                                    | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| <b>Mannanase, endo-1,4-.beta.- (37288-54-3)</b>         |                                                                                    |
| Listed on the Canadian DSL (Domestic Substances List)   |                                                                                    |
| WHMIS Classification                                    | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| <b>Acusol 425N Polymer</b>                              |                                                                                    |
| WHMIS Classification                                    | Uncontrolled product according to WHMIS classification criteria                    |

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

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 04/21/2015

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

### GHS Full Text Phrases:

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4                                 |
| Aquatic Acute 1     | Hazardous to the aquatic environment - Acute Hazard Category 1   |
| Aquatic Acute 2     | Hazardous to the aquatic environment - Acute Hazard Category 2   |
| Aquatic Acute 3     | Hazardous to the aquatic environment - Acute Hazard Category 3   |
| Aquatic Chronic 1   | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| Aquatic Chronic 2   | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Aquatic Chronic 3   | Hazardous to the aquatic environment - Chronic Hazard Category 3 |
| Comb. Dust          | Combustible Dust                                                 |
| Eye Dam. 1          | Serious eye damage/eye irritation Category 1                     |
| Eye Irrit. 2A       | Serious eye damage/eye irritation Category 2A                    |
| Met. Corr. 1        | Corrosive to metals Category 1                                   |
| Repr. 1B            | Reproductive toxicity Category 1B                                |
| Resp. Sens. 1       | Respiratory sensitisation Category 1                             |
| Skin Corr. 1A       | Skin corrosion/irritation Category 1A                            |
| Skin Sens. 1        | Skin sensitization Category 1                                    |
| Skin Sens. 1A       | Skin sensitization Category 1A                                   |

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|            |                                                                           |
|------------|---------------------------------------------------------------------------|
| Comb. Dust | May form combustible dust concentrations in air                           |
| H290       | May be corrosive to metals                                                |
| H302       | Harmful if swallowed                                                      |
| H314       | Causes severe skin burns and eye damage                                   |
| H317       | May cause an allergic skin reaction                                       |
| H318       | Causes serious eye damage                                                 |
| H319       | Causes serious eye irritation                                             |
| H334       | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H360       | May damage fertility or the unborn child                                  |
| H400       | Very toxic to aquatic life                                                |
| H401       | Toxic to aquatic life                                                     |
| H402       | Harmful to aquatic life                                                   |
| H412       | Harmful to aquatic life with long lasting effects                         |

### Party Responsible for the Preparation of This Document

Church & Dwight  
500 Charles Ewing Blvd Ewing  
Township, NJ 08628  
T 1-800-524-1328

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North America GHS US 2012 & WHMIS 2