Clothesline Fresh Enzyme Laundry Detergent is fortified with enzymes and optical brighteners to quickly digest and wash away stubborn stains and soils, while leaving the fabric cleaner and brighter than ever before. The concentrated blend of enzymes found in Clothesline Fresh Enzyme Laundry Detergent gives you the ability to wash at lower water temperatures and with fewer chemicals while showing an increase in stain removal, whiteness, and soil antiredeposition.
CONTEMPORARY CLEANING TECHNOLOGY:
Clothesline Fresh Enzyme Laundry Detergent is enhanced by patented polymeric technology. This technology quickly suspends tough, oily and particulate soils to prevent them from redepositing back onto the fabric. Clothesline Fresh Enzyme Laundry Detergent’s surfactants are listed on the EPA’s Design for Environment Cleaningredients® list. Clothesline Fresh Enzyme Laundry Detergent is readily dispersible in water temperatures as low as 40°F. Clothesline Fresh Enzyme Laundry Detergent does not contain phosphates or nonylphenol ethoxylate, both of which can have a negative environmental impact.

COLOR AND NUMBER SYSTEM:
Each Clothesline Fresh Laundry product has been color coded and number coded for easy product identification. All product information and literature, plus, each product label, carton and secondary label reflects this color and number, making training easier and faster.

DIRECTIONS FOR USE:
DO NOT MIX WITH OTHER CHEMICALS.
Some individuals may be sensitive to ingredients in this product. Before use, read product label and MSD sheet.
1. Sort laundry by color and fabric type.
2. Always read and follow care directions.
3. From care directions, choose proper wash cycle and water temperature.
4. Do not overload washer with soiled laundry.
5. Add Clothesline Fresh Enzyme Laundry Detergent.

<table>
<thead>
<tr>
<th>PACKAGING</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>701155</td>
<td>55-gallon drum</td>
</tr>
<tr>
<td>701115</td>
<td>15-gallon drum</td>
</tr>
<tr>
<td>701105</td>
<td>5-gallon pail</td>
</tr>
<tr>
<td>701104</td>
<td>1-gallon (4 per case)</td>
</tr>
</tbody>
</table>

Label copy is provided in English and Spanish. Secondary labels are also available.

GUARANTEE: Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture. Use product as directed and read all precautionary statements.
1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CLOTHESLINE FRESH ENZYME LAUNDRY DETERGENT [11]
Product Number: 7011
Recommended Use: Laundry detergent
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

2. HAZARDS IDENTIFICATION

GHS Classification
Acute toxicity - Inhalation (Dusts/Mists) Category 4
Serious Eye Damage/Eye Irritation: Category 2B
Respiratory Sensitization: Category 1

GHS Label Elements
Signal Word: Danger
Symbols:

Hazard Statements:
Harmful if inhaled.
Causes eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements:
Prevention:
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area.
Wash hands and any exposed skin thoroughly after handling.
In case of inadequate ventilation wear respiratory protection

Response:
-Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

-Inhalation:
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or physician.
See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage:
Not Applicable
Disposal:
Dispose of contents and container in accordance with local, state and federal regulations.

Hazard Not Otherwise Classified: Not Applicable
Other Information:
• May be harmful if swallowed.
• May cause skin irritation.
• This product contains enzymes which may induce respiratory sensitization and may cause allergic respiratory reactions in sensitized individuals.
• Keep out of reach of children.

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>60-100</td>
</tr>
<tr>
<td>alcohol ethoxylate</td>
<td>68439-46-3</td>
<td>7-13</td>
</tr>
<tr>
<td>alcohol ethoxylate</td>
<td>66455-14-9</td>
<td>1-5</td>
</tr>
<tr>
<td>acrylic copolymer</td>
<td>PROPRIETARY</td>
<td>1-5</td>
</tr>
<tr>
<td>alkyl polyglucoside</td>
<td>68515-73-1</td>
<td>1-5</td>
</tr>
<tr>
<td>lauramine oxide</td>
<td>1643-20-5</td>
<td>1-5</td>
</tr>
<tr>
<td>protease</td>
<td>9014-01-1</td>
<td>0.1-1</td>
</tr>
<tr>
<td>alpha-amylase</td>
<td>9000-90-2</td>
<td>&lt;0.1</td>
</tr>
</tbody>
</table>

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- **Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- **Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or physician.
- **Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

**Note to Physicians:** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire

**Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
**Storage Conditions:**
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>protease</td>
<td>Ceiling: 0.00006 mg/m³ as crystalline active enzyme</td>
<td>(vacated) STEL: 0.00006 mg/m³ 60 min</td>
<td>STEL: 0.00006 mg/m³ 60 min</td>
</tr>
<tr>
<td>9014-01-1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Engineering Controls:
Provide good general ventilation.
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

#### Personal Protective Equipment

**Eye/Face Protection:** Not required with expected use.
**Skin and Body Protection:** Not required with expected use.
**Respiratory Protection:** Not required with expected use.
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

#### General Hygiene Considerations:
Wash hands and any exposed skin thoroughly after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>No information available.</td>
</tr>
<tr>
<td>Odor</td>
<td>Pleasant</td>
</tr>
<tr>
<td>pH</td>
<td>7.5-8.5</td>
</tr>
<tr>
<td>Melting Point / Freezing Point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Boiling Point / Boiling Range</td>
<td>100 °C / 212 °F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 100 °C / &gt; 212 °F</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt; 1 (BuAc = 1)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>No information available.</td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.013</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>No information available.</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.
**Chemical Stability:** Stable under normal conditions.
**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.
**Conditions to Avoid:** Extremes of temperature and direct sunlight.
**Incompatible Materials:** Strong oxidizing agents. Strong acids.
**Hazardous Decomposition Products:** May include carbon monoxide, carbon dioxide (CO2) and other toxic gases or vapors.

### 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.
Symptoms of Exposure:
- **Eye Contact:** Pain, redness and swelling of the conjunctiva.
- **Skin Contact:** Drying of the skin.
- **Inhalation:** Nasal discomfort and coughing. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **Ingestion:** Pain, nausea, vomiting and diarrhea.

Immediate, Delayed, Chronic Effects
Product Information: Data not available or insufficient for classification.

Numerical Measures of Toxicity
The following acute toxicity estimates (ATE) are calculated based on the GHS document.

- ATEmix (oral): 12071 mg/kg
- ATEmix (dermal): 14749 mg/kg
- ATEmix (inhalation-dust/mist): 4 mg/l

Component Acute Toxicity Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>water 7732-18-5</td>
<td>&gt; 90 mL/kg (Rat)</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>alcohol ethoxylate 68439-46-3</td>
<td>= 1378 mg/kg (Rat)</td>
<td>&gt; 2 g/kg (Rabbit)</td>
<td>Not Available</td>
</tr>
<tr>
<td>alcohol ethoxylate 66455-14-9</td>
<td>&gt; 10 g/kg (Rat)</td>
<td>&gt; 2 g/kg (Rat)</td>
<td>Not Available</td>
</tr>
<tr>
<td>protease 9014-01-1</td>
<td>= 3700 mg/kg (Rat)</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>alpha-amylase 9000-90-2</td>
<td>&gt; 7500 mg/kg (Rat)</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicity

- **Persistence and Degradability:** No information available.
- **Bioaccumulation:** No information available.
- **Other Adverse Effects:** No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.
Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

- **DOT:** Not Regulated
- **Proper Shipping Name:** Non-Hazardous Products
- **Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.
- **IMDG:** Not Regulated
- **Proper Shipping Name:** Non-Hazardous Products

15. REGULATORY INFORMATION

- **TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)
  All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
SARA 313
This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories
- Acute Health Hazard: Yes
- Chronic Health Hazard: No
- Fire Hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

California Proposition 65
This product is not subject to warning requirements under California Proposition 65.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards: 2</th>
<th>Flammability: 0</th>
<th>Instability: 0</th>
<th>Special: N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Health Hazards: 2</td>
<td>Flammability: 0</td>
<td>Physical Hazards: 0</td>
<td></td>
</tr>
</tbody>
</table>

Revision Date: 04-Aug-2015
Reasons for Revision: Section 14 and 15

Disclaimer:
The information provided in this Material Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet