



Revision Date: 10-Jul-2020

Safety Data Sheet

Spartan Chemical Company, Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

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

24 Hour Emergency Phone Numbers:

Medical Emergency/Information: 888-314-6171
Transportation/Spill/Leak: CHEMTREC 800-424-9300

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.

-Specific Treatment:

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.

Hazards 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

| Chemical Name | CAS No | Weight-% |
|---|-------------|----------|
| Water | 7732-18-5 | 60-100 |
| C9-11 Pareth-6 | 68439-46-3 | 7-13 |
| C12-13 Pareth-5 | 66455-14-9 | 1-5 |
| Acrylic Copolymer | PROPRIETARY | 1-5 |
| Caprylyl/Caryl Glucoside | 68515-73-1 | 1-5 |
| Lauramine Oxide | 1643-20-5 | 1-5 |
| Lauryl Glucoside | 110615-47-9 | 0.1-1 |
| Potassium Alkanoate | PROPRIETARY | 0.1-1 |
| Fragrance | PROPRIETARY | 0.1-1 |
| Subtilisin | 9014-01-1 | 0.1-1 |
| Boric Acid | 10043-35-3 | <0.1 |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2 | <0.1 |
| Amylase Enzyme | 9000-90-2 | <0.1 |
| Calcium Chloride | 10043-52-4 | <0.1 |
| Fluorescent Brightener 230 | 27344-06-5 | <0.1 |
| Butylphenyl Methylpropional | 80-54-6 | <0.1 |
| Sodium Hydroxide | 1310-73-2 | <0.1 |
| Ethylene Dodecanedioate | 54982-83-1 | <0.1 |
| Hexyl Cinnamal | 101-86-0 | <0.1 |
| Methyldihydrojasmonate | 24851-98-7 | <0.1 |
| Teal Colorant | PROPRIETARY | <0.1 |
| Verdyl Acetate | 5413-60-5 | <0.1 |
| Acetyl Hexamethyl Tetralin | 1506-02-1 | <0.1 |
| 2,6-Dimethyl-7-Octen-2-ol | 18479-58-8 | <0.1 |
| Methylchloroisothiazolinone | 26172-55-4 | <0.1 |
| Methylisothiazolinone | 2682-20-4 | <0.1 |

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.
Suggested Shelf Life: Minimum of 2 years from date of manufacture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH |
|-------------------------------|---|--|--|
| Subtilisin 9014-01-1 | Ceiling: 0.00006 mg/m ³ crystalline active enzyme | (vacated) STEL: 0.00006 mg/m ³ 60 min | STEL: 0.00006 mg/m ³ 60 min Subtilisins |
| Boric Acid 10043-35-3 | STEL: 6 mg/m ³ inhalable particulate matter TWA: 2 mg/m ³ inhalable particulate matter | - | - |
| Sodium Hydroxide 1310-73-2 | Ceiling: 2 mg/m ³ | TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³ | IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³ |

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.
 See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

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 (CO ₂) and other toxic gases or vapors. |

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Likely Routes of Exposure: | Eyes, Skin, Ingestion, Inhalation. |
| -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): | 6541 mg/kg |
| ATEmix (dermal): | 14749 mg/kg |
| ATEmix (inhalation-dust/mist): | 3.2 mg/l |

Component Acute Toxicity Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------|----------------------|---------------|-----------------|
| Water 7732-18-5 | > 90 mL/kg (Rat) | Not Available | Not Available |
| C9-11 Pareth-6 68439-46-3 | = 1400 mg/kg (Rat) | Not Available | Not Available |
| C12-13 Pareth-5 66455-14-9 | > 10 g/kg (Rat) | Not Available | Not Available |
| Subtilisin 9014-01-1 | = 3700 mg/kg (Rat) | Not Available | Not Available |

| | | | |
|---|----------------------|-------------------------|-------------------------|
| Boric Acid 10043-35-3 | = 2660 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 0.16 mg/L (Rat) 4 h |
| Amylase Enzyme 9000-90-2 | > 7500 mg/kg (Rat) | Not Available | Not Available |
| Calcium Chloride 10043-52-4 | = 1000 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | Not Available |
| Butylphenyl Methylpropional 80-54-6 | = 1390 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | Not Available |
| Sodium Hydroxide 1310-73-2 | Not Available | = 1350 mg/kg (Rabbit) | Not Available |
| Hexyl Cinnamal 101-86-0 | = 3100 mg/kg (Rat) | > 3000 mg/kg (Rabbit) | > 5 mg/L (Rat) 4 h |
| Methylidihydrojasmonate 24851-98-7 | > 5 g/kg (Rat) | Not Available | Not Available |
| 2,6-Dimethyl-7-Octen-2-ol 18479-58-8 | = 3600 mg/kg (Rat) | > 5 g/kg (Rabbit) | Not Available |
| Methylchloroisothiazolinone 26172-55-4 | = 481 mg/kg (Rat) | Not Available | = 1.23 mg/L (Rat) 4 h |

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

| Chemical Name | Algae/Aquatic Plants | Fish | Toxicity to Microorganisms | Crustacea |
|---|--|---|----------------------------|---|
| Boric Acid 10043-35-3 | Not Available | Not Available | Not Available | 115 - 153: 48 h Daphnia magna mg/L EC50 |
| Calcium Chloride 10043-52-4 | Not Available | 10650: 96 h Lepomis macrochirus mg/L LC50 static | Not Available | 2400: 48 h Daphnia magna mg/L LC50 |
| Butylphenyl Methylpropional 80-54-6 | Not Available | 2.2 - 4.6: 96 h Brachydanio rerio mg/L LC50 static | Not Available | 10.7: 48 h Daphnia magna mg/L EC50 |
| Sodium Hydroxide 1310-73-2 | Not Available | 45.4: 96 h Oncorhynchus mykiss mg/L LC50 static | Not Available | Not Available |
| Methylchloroisothiazolinone 26172-55-4 | 0.11 - 0.16: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.03 - 0.13: 96 h Pseudokirchneriella subcapitata mg/L EC50 static | 1.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static | Not Available | 4.71: 48 h Daphnia magna mg/L EC50 0.12 - 0.3: 48 h Daphnia magna mg/L EC50 Flow through 0.71 - 0.99: 48 h Daphnia magna mg/L EC50 Static |

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 Product

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 Product

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

| | | | | |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| NFPA | Health Hazards: 2 | Flammability: 0 | Instability: 0 | Special: N/A |
| HMIS | Health Hazards: 2 | Flammability: 0 | Physical Hazards: 0 | |

Revision Date: 10-Jul-2020
Reasons for Revision: Section 3 and 11

Disclaimer:

The information provided in this 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