



power knot

Revised 2012-10-11

## Section 1. Product and Company Information

**Product Name:** Powerzyme  
**Product Number:** 90-10201, 90-10203, 90-10204  
**Company:** Power Knot LLC, 501 Valley Way, Milpitas, CA 95035  
**Information Telephone:** +1-408-889-8433

## Section 2. Product Composition Information

**Trade Secret; proprietary formula:** A blend of naturally occurring mesophilic and thermophilic microorganisms, enzymes, nutrients, and stabilizers. Specific bio-chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200.

## Section 3. Hazards Identification

**Exposure Limits:** None listed.  
**Potential Health Effects:** Excessive ingestion may cause nausea or diarrhoea. May cause eye or skin irritation.  
**Cancer Information (IARC, NTP, ACGIH):** Not listed as a carcinogen.  
**Primary Route(s) of Entry:** Digestion  
**Toxicity Data:** None  
**California Prop 65:** This product does not contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.  
**List of Lists:** Does not contain substances on the US EPA Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-to-Know Act and Section 112(r) of the Clean Air Act.

## Section 4. Effects of Overexposure

No known long term effects. This product are practically non-toxic.

## Section 5. Emergency and First Aid Procedures

**Skin:** Wash exposed area with water. Launder clothing before reuse.  
**Eyes:** Immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart.  
**Ingestion:** Do not induce vomiting; drink plenty of water. Wash out mouth and throat with water provided person is conscious. Seek medical attention.  
**Inhalation:** No hazard. Prolonged inhalation may cause irritation. Move person to fresh air.

## Section 6. Fire and Explosion Information

**NFPA, HMIS rating:** Health =1 (minor); Fire = 0 (will not burn); Reactivity = 0 (none)  
**Flash Point:** N/A  
**Auto-ignition Temperature:** N/A  
**Extinguishing Media:** Any  
**Unsuitable Media:** None  
**Hazardous Decomposition Products:** Will not occur.  
**Special Fire-Fighting Procedures:** As in any fire, wear human protecting clothing and self-contained breathing apparatus in positive pressure mode with confined face piece  
**Unusual Fire and Explosion Hazards:** This product is not defined as flammable or combustible

# Material Safety Data Sheet

## Powerzyme™ – Microorganisms

## Section 7. Physical and Chemical Data

**Boiling Point (760 mm Hg):** 220°C (248°F)  
**Vapor Pressure:** equivalent to water  
**Specific Gravity (Water = 1):** 1.07  
**pH (water = 7.0):** 6.5 to 8.0  
**Appearance:** Milky liquid, off white to pale cream color  
**Odor:** odorless with slight perfume odor

## Section 8. Reactivity Data

**Solubility in Water:** 99.5%  
**Stability:** Stable  
**Hazardous Polymerization:** Has not been reported and is not expected to occur  
**Incompatibility:** Avoid contact with strong acids, oxidizing agents, open flame, pure oxygen.  
**Shelf life:** 18 months. Discard if older.

## Section 9. Environmental Information

**Toxicity:** The product contains natural bacterial strains to break down cellulose, fats, oils and greases, proteins and starch through enzymatic metabolism. Small releases will not pose any hazard to the local environment.  
**Mobility, Persistence, and Degradability:** The product is highly dispersible in water, not harmful to the environment, and does not present any dangers regarding persistency and degradability..

## Section 10. Handling, Storage, and Disposal

**Handling:** Avoid prolonged or repeated skin contact. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion. If handling large volumes, gloves and eyeglasses are recommended. If mist is formed or exposure limit of product is exceeded, it is recommended to use a respirator approved by NIOSH or MSHA.  
**Storage:** Containers should be stored in a dark and dry location under 30°C (86°F), away from foodstuffs to avoid accidental ingestion. Do not store near heat, flame, or strong oxidants.  
**Spill and Leak Procedures:** Wash spillage site with water.  
**Disposal:** Dispose of in accordance with all local, state, and federal regulations. This product according to the EPA's criteria, is not listed as hazardous waste (RCRA) CFR 261. Empty package can be recycled

## Section 11. Additional Information

**U.S. DOT Shipping Name:** Product is not regulated during transportation for under 120 gallons.  
**EU Regulations:** This preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC. There are no special labelling requirements. No hazard symbol, R or S phrases are required for labelling, in accordance with CHIP 3 regulations.  
**Air Transportation (ICAO/IATA):** Product is not regulated during transportation  
**Marine Transportation (IMDG/IMO):** Product is not regulated during transportation  
**EPA TSCA:** All ingredients listed or exempted from on the TSCA 8(b) Inventory (40CFR 710).  
**Not Hazardous Waste:** as defined by RCRA 40 CFR 261 since it does not have the characteristics of subpart C; not listed in subpart D. Not subject to Federal regulation

To the best of our knowledge, the information contained herein is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. To determine applicability of any law or regulation with respect to the product, users should consult a legal advisor or governmental agency.