

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** BIO-GEL**MANUFACTURER:** PestWest USA LLC · 4363 Independence Court  
Sarasota, FL 34234 USA941-358-1983 **FOR EMERGENCY CALL: (800) 747-1885****Generic Name:** Surfactant, chemical, bacterial blend. Bacteria are nonpathogenic, biosafety level 1 microorganisms**SECTION 2 – HAZARDS IDENTIFICATION**

EXPOSURE LIMITS, PPM

OSHA ACGIH OTHER COMPONENTS % BY WEIGHT CAS# PEL TLV LIMIT

-----NONE-----

INDICATES HAZARDOUS INGREDIENTS WHICH ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW-ACT OF 1986 AND OF 40 CFR 372. THE CHEMICAL NAME, CAS# AND PERCENT BY WEIGHT INFORMATION MUST BE INCLUDED IN ALL SDS COPIES AND DISTRIBUTED FOR THIS MATERIAL.

**Hazard Classification:** Health-1, Fire-0, Reactivity-0**Hazard Classification Key:** 0-least, 1-slight, 2-moderate, 3-high, 4-extreme**EMERGENCY OVERVIEW:** Potential eye and skin irritant.

Hazard identification of the active ingredient: Classification IV: nonhazardous ingredients; microorganisms are biosafety level one, non-pathogenic

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Microorganisms, including non-pathogenic bacteria. Other components occur at less than 1% in the formulation

**SECTION 4 - \*\*EMERGENCY FIRST AID\*\*****EMERGENCY OVERVIEW:** Potential eye and skin irritant. **ROUTES OF ENTRY:****Inhalation:** Not likely to be hazardous by inhalation. May cause irritation of mucus membranes, sneezing and coughing. **Eyes:** Eyes may irritate upon contact. **Skin:** Skin may irritate upon contact. **Ingestion:** Can cause stomach/upper GI tract disturbance and irritation, nausea and diarrhea.**FIRST AID PROCEDURES:** **Inhalation:** Remove person to area of fresh air and get medical attention if irritation persists. If not breathing, give artificial respiration. If breathing difficulties, give oxygen. **Skin contact:** Upon exposure, flush skin with clean water for at least 15 minutes, while removing contaminated clothing. Wash skin thoroughly with warm water and soap. Wash clothing before reuse. Get medical attention if irritation develops. **Eyes contact:** Wash out immediately. Remove contacts. Hold eyelids apart and flush eyes with plenty of cool or room temperature water for at least 15 minutes. Get medical attention if irritation develops. **Ingestion:** Do not give fluids by mouth if person is unconscious. Give 2-4 cups of water to dilute and seek immediate medical attention. DO NOT induce vomiting.**RISKS:** **Chronic Overexposure (once):** Acute overexposure may cause: **Skin:** Irritation **Eye:** irritation, redness and tearing. **Inhalation:** Headache, dizziness and nausea. **Ingestion:** Irritation to gastrointestinal tract, nausea, diarrhea. **Chronic overexposure (long term):** None known. **Carcinogen Status:** OSHA: Not listed NTP: Not listed IARC: Not listed. **Environment Risks:** None Known.**Other Special risks:** None **Signs and Symptoms of Exposure:** Eye irritation; red itchy skin; sneezing or coughing; upset stomach, diarrhea. **Toxicity:** Low order of toxicity.**SECTION 5 – FIREFIGHTING MEASURES****Flash Point/Boiling Point:** 212° **Flammable Limits:** Not applicable **LEL:** Not applicable **VEL:** Not applicable **Extinguishing Media:** Water, dry chemical, alcohol foam, or carbon dioxide. **Auto Ignition Temp.:** 400°C **Special Fire Fighting Procedures:** No distinctively hazardous decomposition products areknown to exist, nor are there special firefighting requirements. However, self-contained breathing apparatus and firefighting protective clothing and equipment should be worn when fighting fires involving chemicals. **Fire and Explosion Hazards:** None known.**SECTION 6 – ACCIDENTAL RELEASE****Spills:** Keep unnecessary persons away from spill. Do not touch or walk through spill. Keep personnel away from and upwind of spill or leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing, including but not limited to gloves, protective outerwear, boots, glasses and respirator if necessary. Contain spill by absorbing with approved, non-reactive spill absorbent material. Always place absorbent spill material into labeled containers. Contact emergency services and supplier for advice. Never return spills to original container for reuse. Dispose of absorbent materials and any containers in accordance with local, state and federal regulations. **Handling:** Handle with conventional hygienic industrial precautions and adhere to all instructions. Wash hands thoroughly after handling the product. **Personal Protection:** See Section 8 – CONTROL MEASURE Below. **Environmental Precautions:** None. Product is not a contaminant.**SECTION 7 – HANDLING AND STORAGE****Storage:** Keep in a cool dry area exclusively in the original packing. Extreme temperatures (over 95°F and below 32°F) should be avoided. Keep lid to container securely and tightly closed during storage. Keep away from food, beverages, feed and seeds. KEEP OUT OF REACH OF CHILDREN. FOR PROFESSIONAL/COMMERCIAL USE ONLY. Do not expose to direct sunlight and other heat sources. **Recommended Packaging:** Keep in its original package. **Other:** Store away from acidic and alkali materials and away from readily oxidizable substances. Use good housekeeping practices. Keep containers tightly closed.**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION MEASURES****Respiratory Protection:** None Required. **Skin Protection:** It is recommended to use appropriate rubber resistant gloves. **Eye Protection:** It is recommended to use goggles. **Other Protection Equipment:** It is recommended to use long-sleeved shirt and trousers. **Ventilation:** No special requirements.**SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point (F): 212 Freezing Point (F) 32 Vapor Pressure: Not applicable Solubility in Water: 100% soluble Evaporation Rate: Not applicable Appearance &amp; Odor: Viscous yellow liquid Specific Gravity: 1.0-1.02 pH: 6.5-8 Vapor Density: Not applicable Odor: Lemon Water/Oil Dist, Coeff: 100% in water

**SECTION 10 – STABILITY AND REACTIVITY DATA****Stability:** Product is stable under recommended storage and handling conditions. See precautions for safe storage and handling section. **Conditions to Avoid:** Exposure to direct sunlight, heat. **Materials to Avoid/Incompatibility:** Strong Oxidizing agents, acids, alkali. **Hazardous Polymerization:** Has not been reported. **Hazardous Decomposition or By Products:** May include but is not limited to oxides of carbon, such as Carbon dioxide, Carbon monoxide.**SECTION 11 – TOXICOLOGICAL INFORMATION****TOXICITY TO ANIMALS:** **Component and Analysis:** ORAL (LD50) Sodium lauryl ether sulfate 1.6g/kg rate DERMAL (ld50) Not available **Product Analysis:** Based on toxicity of sodium lauryl ether sulfate in the final product, the LD50 would be 160g/kg rat **Likely Routes of Exposure:** Eyes, Skin, Ingestion **Acute Effects of Overexposure:** Acute overexposure may cause **Skin:** may cause irritation **Eye:** May cause irritation, redness and tearing **Inhalation:** Headache, dizziness and nausea **Ingestion:** May cause irritation of gastrointestinal tract, nausea, diarrhea. **Inhalation:** Excessive inhalation of fumes may cause irritation to respiratorytract and may product dizziness, nausea and headache. **Carcinogenicity:** Components are either not suspected to have chromosomal effect or have not been investigated. **Name of toxicologically synergistic products:** Not available.**SECTION 12 – ECOTOXICITY****Eco toxicity** Fish – Acute Toxicity Data (LC50) Alcohol ethoxyl sulfate: Not available. Zooplankton – Acute Toxicity Data (LC50) Alcohol Ethoxyl Sulfate: 3.12 mg/L Daphnia. Based on toxicity of Alcohol Ethoxyl Sulfate in the final product, the LC50 would be 312 mg/L **Biodegradable:** Components are either assimilated or biodegraded.**SECTION 13 – DISPOSAL CONSIDERATIONS****Waste Disposal:** Dispose of in accordance with local state and federal regulations. Consult local, state or federal agencies for recommendations.**SECTION 14 – TRANSPORTATION INFORMATION****Road (U.S.-DOT):** Not regulated as a dangerous good in accordance with the definition of such as set forth in 49 CFR 172.101 UN3218 and Special Provision 38. **Air (IATA):** Not regulated. **Sea (IMDG):** Not Regulated**SECTION 15 – REGULATORY INFORMATION****Sara/Title III – CERCLA** List of Hazardous Substances and Reportable Quantities (40CFR304.4): \_1,4 Dioxane (13-91-1) 100,000,000 lbs. **Sara/Title III – List of Extremely Hazardous Substances** for Emergency Planning and Notification (40CFR 300 & 305): This product does not contain an ingredient(s) listed as an extremely hazardous substances (EHS) for Emergency Planning under sections 301-303 and for Emergency Release Notification under section 304. **Sara/Title III – List of Toxic Chemicals** subject to Release Reporting (Community Right to Know) (40CFR372): This product does not contain any ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313. **California Proposition 65:** This product contains the following chemicals known to the State of California to cause cancer and birth defects or other reproductive harm: 1,4-Dioxane CAS NO. 123-91-1 Percentage in Formula: 0.0001%**16 – OTHER INFORMATION**

The information and recommendations contained herein are provided as a service to our customer but are not intended to relieve the user of the product from its responsibility to investigate and understand pertinent sources of information and to comply with all laws and procedures applicable to the safe handling of these materials. The information and recommendations provided herein are believed by PestWest USA LLC and PestWest, Inc. to be correct at the time of preparation or obtained from sources believed to be generally reliable. However, PestWest USA LLC and PestWest, Inc. make no representations or warranties concerning the completeness or accuracy of such information and recommendations for specialized applications and therefore issues this SDS without warranty, express or implied regarding its correctness, completeness or accuracy. PestWest USA LLC and PestWest, Inc. makes no warranty or representation to the suitability of the product for a particular purpose which may be used for and it cannot be held liable for any damage or loss which may be consequence of the use of the product or the reliance of the information provided in the document incidentally or consequentially. Pest West, Inc. shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon such information and recommendations for specialty applications. It is a condition of supply that the suitability of the product for a particular application and the relevance of the information provided to the conditions on the application will be solely determined by the user. You are encouraged to advise anyone working with or exposed to such product of the information contained herein. Additionally since actual use by others is beyond our control, no guarantee express or implied, is made by PestWest, Inc. as to the effect of such use, the results to be obtained, or the safety and/or toxicity of the product. Nor does PestWest, Inc. assume any liability arising out of the use, misuse by others of the product referred to herein. Information provided herein is provided by PestWest, Inc. solely for customer's assistance in complying with the occupational safety.