SAFETY DATA SHEET (Date of Issue 1/30/2014)

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BIO-GEL

MANUFACTURER: PestWest USA LLC · 4363 Independence Court
Sarasota, FL 34234 USA
941-358-1983 **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 are known to exist, nor are there special firefighting requirements. However, self-contained breath
ing 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 & 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 respiratory tract and may product dizziness, nau
Components are either not suspected t
been investigated. **Name of toxicologi**

SECTION 12

Eco toxicity Fish – Acute Toxicity Data
able. Zooplankton – Acute Toxicity Da
mg/L Daphnia. Based on toxicity of Alc
the LC50 would be 312 mg/L **Biodegra**
or biodegraded.

SECTION 13 – DISPC

Waste Disposal: Dispose of in accorda
tions. Consult local, state or federal ag

SECTION 14 – TRANSP

Road (U.S.-DOT): Not regulated as a da
definition of such as set forth in 49 CFR
38. **Air (IATA)**: Not regulated. **Sea (IM**

SECTION 15 – REGU

Sara/Title III – CERCLA List of Hazardou
(40CFR304.4): _1,4 Dioxane (13-91-1)
Extremely Hazardous Substances for Er
(40CFR 300 & 305): This product does r
extremely hazardous substances (EHS)
301-303 and for Emergency Release No
III – List of Toxic Chemicals subject to R
Know) (40CFR372): This product does r
toxic chemical for Annual Release Repo
California Proposition 65: This product
to the State of California to cause canc
harm: 1,4-Dioxane CAS NO. 123-91-1

16 – OTHER

The information and recommendations co
our customer but are not intended to reli
sibility to investigate and understand pert
with all laws and procedures applicable to
information and recommendations provid
and PestWest, Inc. to be correct at the tin
believed to be generally reliable. Howeve
make no representations or warranties co
such information and recommendations f
issues this SDS without warranty, express
pleteness or accuracy. PestWest USA LLC
representation to the suitability of the pr
used for and it cannot be held liable for a
quence of the use of the product or the r
document incidentally or consequentially
sible for any damages of whatsoever natu
publication or use of or reliance upon suc
specialty applications. It is a condition of
a particular application and the relevance
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advise anyone working with or exposed to
herein. Additionally since actual use by ot
express or implied, is made by PestWest,
to be obtained, or the safety and/or toxic
assume any liability arising out of the use,
herein. Information provided herein is pr
er's assistance in complying with the occu