SAFETY DATA SHEET

1: Identification

Product Identifier – **Algae Competitor Microbes**
Product Codes – A30086, A30055
Recommended Use – Bacterial formulation that uses phosphorous and nitrogen compounds for growth.
Recommended Restrictions – None known
Manufacturer Company Name - BioWorld USA Inc, 6734B West Pershing Ave, Visalia, CA 93291 USA
Phone – 559-651-2042
Email – support@bioworldusa.com

2: Hazard Identification

Classification – This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
GHS Label Elements, including Precautionary Statements
Signal Word – Warning
Hazard Statements - May form combustible dust concentrations in air.
Precautionary Statements – Prevention - Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves and eye protection.
Precautionary Statements – Response - See First Aid Measures Section
Skin - IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Precautionary Statements – Storage - None
Precautionary Statements – Disposal - Dispose of contents/container in accordance with local/regional/national/ international regulations.
Hazards not otherwise classified (HNOC) - Not applicable
Other information - Causes mild skin irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Interactions with Other Chemicals - No information available

3: Composition / Information On Ingredients

This product is a powder containing naturally-occurring viable bacterial cultures.

HAZARDOUS INGREDIENTS

Name	CAS #	% BY WEIGHT	TRADE SECRET

4: First Aid Measures

General Advice - Show this safety data sheet to the Doctor in attendance
Eye Contact - Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, call a physician.
Skin Contact - Wash with soap and water. In the case of skin irritation or allergic reactions, see a physician.
Ingestion – Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed - None
Indication of any immediate medical attention and special treatment needed - Notes to Physician - None

5: Fire-Fighting Measures

Suitable Extinguishing Media - Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media - CAUTION: Use of water spray when fighting fire may be inefficient.
Specific Hazards Arising from the Chemical - None
Uniform Fire Code – None
Hazardous Combustion Products - Carbon oxides

Explosion Data
Sensitivity to Mechanical Impact - No
Sensitivity to Static Discharge - No
Protective equipment and precautions for firefighters - As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Personal Precautions **-** Avoid contact with skin and eyes
Environmental precautions - Refer to protective measures listed in Sections 7 and 8
Methods and material for containment and cleaning up
Containment **-** Prevent further leakage or spillage if safe to do so.
Cleaning up **-** Pick up and transfer to properly labelled containers.

7: Handling and Storage

Precautions for safe handling
Handling - Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin and eyes.
Conditions for safe storage, including any incompatibilities
Storage **-** Keep container tightly closed.
Incompatible Products **-** Strong acids and alkalis, and strong oxidizing agents may react with and inactivate bacterial cultures.

8: Exposure Controls / Personal Protection

Control Parameters
Exposure Guidelines **-** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
Other Exposure Guidelines **-** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)
Appropriate Engineering Controls
Engineering Measures **-** Showers, Eyewash stations, Ventilation systems.
Individual protection measures, such as personal protective equipment
Eye/Face Protection - None required for consumer use. If powder generation is likely to occur, wear safety glasses and a dust mask.
Skin and Body Protection - None required for consumer use. Repeated or prolonged contact: Wear protective gloves and protective clothing.
Respiratory Protection - No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures - Handle in accordance with good industrial hygiene and safety practices. Take off contaminated clothing and wash before reuse.

9: Physical and Chemical Properties

Physical State - Powder
Appearance - Tan
Odor - Fermentation
Odor threshold – No Information Available
pH – No data available
Melting/Freezing Point - None
Boiling Point/ Boiling Range - None
Flash Point – No data available
Evaporation Rate - None
Flammability (solid, gas)
Upper/Lower flammability Limits – No data available
Vapor Pressure – No data available
Vapor Density – No data available
Specific Gravity - Dispersible
Water Solubility – No data available
Solubility in other solvents Partition coefficient: No data available

N-octanol/water – No data available
Autoignition Temperature – No data available
Viscosity - Negligible
VOC Content (%) – No data available

10: Stability and Reactivity

Reactivity - No data available.
Chemical Stability - Stable under recommended storage conditions.
Possibility of Hazardous Reactions - None under normal processing.
Hazardous Polymerization - Hazardous polymerization does not occur.
Conditions to Avoid - Do not exposed to extreme temperatures for long periods of time. Close containers when not in use.
Incompatible Materials - Strong acids and alkalis, and strong oxidizing agents may react with and inactivate bacterial cultures.
Hazardous Decomposition Products **-** Carbon oxides.

11: Toxicological Information

Information on likely routes of exposure
Product Information
Inhalation - Specific test data for the mixture is not available.
Eye Contact - Specific test data for the mixture is not available.
Skin Contact - Specific test data for the mixture is not available.
Ingestion - Specific test data for the mixture is not available.
Component Information – No Information available.
Information on toxicological effects
Symptoms - None known.
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Sensitization - No information available.
Mutagenic Effects - No information available.
Carcinogenicity - Contains no ingredient listed as a carcinogen.
Reproductive Toxicity - No information available.
STOT Single Exposure - No information available.
STOT Repeated Exposure - No information available.
Chronic Toxicity – No known effect based on available information.
Target Organ Effects – Skin
Aspiration Hazard - No information available.
Numerical Issue of Toxicity – Not applicable

12: Ecological Information

Eco-toxicity, Persistence, Degradability and Bioaccumulation

This product is not expected to be dangerous to the environment with respect to mobility, persistency and biodegradability, bio-accumulative potential, aquatic toxicity, and other data related to eco-toxicity.
Other adverse effects – None known

13: Disposal Considerations

Waste Treatment Methods
Disposal Methods - This material, as supplied, is not a hazardous waste according to Federal Regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult with the appropriate State, Regional, or Local regulations for additional requirements.
Contaminated Packaging - Dispose of contents/containers in accordance with local regulations.

14: Transportation Information

DOT – Not Regulated
Proper Shipping Name – Not Regulated
Hazard Class – Not Applicable
TDG – Not Regulated
MEX - Not Regulated
ICAO - Not Regulated
IATA - Not Regulated
IMDG/IMO - Not Regulated
RID - Not Regulated
ADR - Not Regulated
AND - Not Regulated

15: Regulatory Information

International Inventories
TSCA – Complies
DSL - All components are listed either on the DSL or NDSL
TSCA – United States Toxic Substances Control Act – Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations
SARA 313 - Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
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
CWA (Clean Water Act) - This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)
CERCLA - This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or State level pertaining to releases of this material.
US State Regulations
California Proposition 65 - This product does not contain any Proposition 65 chemicals
US State Right-to-Know Regulations - This product does not contain any substances above threshold limits that are regulated by State right-to-know.

16: Other Information

Issue Date – 9-1-16
Version # - 1
HMIS Ratings
- Health – 1
- Flammability – 0
- Physical Hazard – 0
- Personal Protection - E

Disclaimer – The information in the sheet was written based on the best knowledge and experience currently available.
Revision information – This document has undergone significant changes and should be reviewed in its entirety.