

SAFETY DATA SHEET



Section 1: IDENTIFICATION

Product name: Blue Powder Pond Dye (Colorant)

Synonyms / Other names: None.

Product type: Mixture.

Manufacturer/supplier identification:

Company: Bioverse, Inc
2220 Research Lane
Worthington, MN 56187
USA

Telephone No.: 877.948.0303

E-mail: support@bioverse.com

Emergency Telephone No.: Chemtrec 1-800-424-9300 (Emergency 24 hours); Outside US 1-703-527-3887
Chemtrec Administrative Office Telephone Number 1-800-262-8200

Relevant identified uses of the substance or mixture and uses advised against:

Dye (Colorant).

Section 2: HAZARD(S) IDENTIFICATION

Hazard classification of the chemical: None.

Pictogram(s):

Signal Word: None

Hazard Statement(s): None.

Precaution Statement(s): None.

Hazards not otherwise classified: *Material has no hazards to classify.*

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component Name	Conc.(%)*	CAS #
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**The exact concentration percentage is being withheld as a trade secret. Non-hazardous ingredients are not disclosed.*

Section 4: FIRST-AID MEASURES

If ingestion, irritation, any type of overexposure or symptoms of overexposure occurs during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth

an unconscious or convulsing person.

Route of exposure:	First-aid instructions
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.
Eye:	Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Ingestion:	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.
Most important symptom or effect:	
Recommendations for immediate medical care:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5: FIRE-FIGHTING MEASURES

Suitable fire-fighting equipment / media:	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable fire-fighting equipment / media:	None known.
Hazards that may develop during fire:	May produce hazardous combustion by-products.
Special protective actions for fire-fighters:	Use water spray to keep fire-exposed containers cool. Move containers from fire area if this can be done without risk. Isolate the scene by removing all persons from the vicinity of the fire. No action shall be taken involving any personal risk or without suitable training.
Protective equipment for fire-fighters:	Fire-fighters should wear protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

Section 6: ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment, and emergency procedures:

For non-emergency personnel:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal
For emergency responders:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable protective equipment. Also heed the precautions in above section: "For non-emergency personnel".

Methods and materials for containment and cleaning up:

For small spills:	Stop leak if without risk. Move containers from spill area. Use spark-proof
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and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

For large spills:

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled. See Section 13 for waste disposal.

Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Section 7: HANDLING AND STORAGE

Precautions for safe handling:

Do not handle until all safety precautions have been read and understood. Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Empty containers retain product residue and can be hazardous.

Conditions for safe storage and incompatibilities:

Store between the following temperatures: 5 to 35°C (41 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits:

Component CAS #	Exposure Limits
Product or its dried residues may form Particulates Not Otherwise Regulated (PNOR).	OSHA-PEL: 15 ppm or 10 mg/m ³ (Total Dust) OSHA-PEL: 5 ppm or 5 mg/m ³ (Respirable Fraction)

Appropriate engineering controls:

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Individual protection measures and Personal Protective Equipment (PPE):

Eye / Face protection:

Safety glasses with side shields.

See: ANSI/ISEA Z87 spectacle specifications.

Skin protection:	Appropriate gloves, footwear, coveralls, impervious clothing, and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing.
Glove selection:	Latex (if not sensitized); Nitrile; Polyvinyl Alcohol (PVA); Chloroprene; or Butyl Rubber gloves should be used. Inspect gloves prior to wearing to be free of defects and replace if they break through.
Respiratory protection:	Respirator selection is based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the occupational exposure limits, they must use appropriate, certified respirators. If needed, the respirator must be a single use (disposable) or it must be equipped with a quarter-mask, half-mask, helmet / hood, or full facepiece. Air purifying respirators must use N, R, or P series filters. The filter must be NIOSH classification 95, 99, or 100.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid, powder
Color:	Blue
Odor:	Slight
Odor threshold:	Not determined
pH:	Not determined
Melting/Freezing point:	Not determined
Boiling point / range:	Not determined
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability:	Not determined
Lower flammability limits:	Not determined
Upper flammability limits:	Not determined
Vapor pressure:	Not determined
Vapor density:	Not determined
Relative density:	Not determined
Solubilities:	>50 g/l in water
Partition coefficient:	Not determined
Auto-ignition temp.:	Not determined
Decomposition temp.:	Not determined
Viscosity:	Not determined

Section 10: STABILITY AND REACTIVITY

Reactivity:	No specific reactivity is known.
Chemical stability:	No specific instability is known to exist.

Possible hazardous reactions: No specific hazardous reactions known for this material.

Conditions to avoid: No specific conditions to avoid are known.

Incompatible materials: No specific incompatible materials are known.

Hazardous decomposition products: Decomposition of the product or its container may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen and/or respirable dust.

Section 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

Inhalation exposure: No specific information on inhalation hazards.

Ingestion exposure: No specific information on ingestion hazards.
Acute toxicity estimate: Oral = 2,500.00 mg/kg bw

Skin contact: No specific information on skin contact hazards.

Eye contact: No specific information on eye exposure.

Overexposure, signs & symptoms:

Immediate, delayed and chronic effects:

Information on acute toxicological effects:

Component CAS	Result	Species	Dose	Exposure
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Listing as a carcinogen:

Component CAS	OSHA	IARC	NTP
No carcinogen component	-	-	-

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity data:

Component CAS	Result	Species	Dose	Exposure
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Persistence and degradability:

Component CAS	Environmental half life (days)	Atmos. Hydrolyation Rate (cm ³ /mol*s)(x10 ⁻¹²)	Metabolic biotransformation in fish, half life (days)
**	*****	*****	0.324

Bioaccumulation potential and soil mobility:

Component CAS	Octanol-Water partition LogPow	Bioconcentration Factor BCF	Soil absorption coefficient Koc (l/Kg)
**	4.755	4.7078	*****

Section 13: DISPOSAL CONSIDERATIONS**Disposal method:**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products must comply with the requirements of environmental protection and waste disposal legislation and any national, state, regional or local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

This material and its container must be disposed of in a safe manner. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid

Section 14: TRANSPORT INFORMATION

	DOT	IMDG	IATA
UN Number:	Not dangerous good.	Not dangerous good.	Not dangerous good.
UN Proper Shipping Name:			
Hazard Class:			
Packing Group:			
Environmental Hazards:			
Marine Pollutant:			

Additional precautions:

When moving within users' premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15: REGULATORY INFORMATION**EPCRA Section 302 (EHS) TPQ:**

Contains no material in Section 302 of EPCRA.

EPCRA Section 304 (EHS) RQ:

Contains no material in Section 304 of EPCRA.

CERCLA RQ: Contains no material in CERCLA.

EPCRA (SARA) Section 313: Contains no material in Section 313 (SARA) of EPCRA.

RCRA Code: Contains no listing in RCRA.

CAA Section 112r TQ: Contains no material in Section 112r of CAA.

TSCA Inventory: All components listed as active on the current TSCA inventory.

California Prop. 65: Contains no material on California Proposition 65 list.

Section 16: OTHER INFORMATION

All information and data appearing on this Safety Data Sheet are believed to be reliable and accurate. However, it is the users responsibility to determine the safety, toxicity, and suitability for own use of the product described. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by First Source Worldwide, LLC. User assumes all responsibility.

Date of SDS Preparation: 16 September 2019

Key to abbreviations:

*OSHA - US Occupational Safety and Health Administration.
NIOSH - US National Institute for Occupational Safety and Health.
EPCRA - US Emergency Planning and Community Right-to-Know Act.
CERCLA - US Comprehensive Environmental Response, Compensation and Liability Act.
SARA - US Superfund Amendments and Reauthorization Act.
CAA - US Clean Air Act.
ACGIH - American Conference of Governmental Industrial Hygienists.
CALOSHA - California Division of Occupational Safety and Health.
ANSI - American National Standards Institute.
IARC - International Agency for Research on Cancer.
NTP - US National Toxicology Program.
DOT - US Department of Transportation.
IMDG - International Maritime Dangerous Goods Code.
IATA - International Air Transport Association.
PEL-TWA - Permissible Exposure Limit, Time Weighted Average.
PEL-STEL - Permissible Exposure Limit, Short Term Exposure Limit.
PEL-C - Permissible Exposure Limit, Ceiling.
REL-TWA - Recommended Exposure Limit, Time Weighted Average.
REL-STEL - Recommended Exposure Limit, Short Term Exposure Limit.
REL-C - Recommended Exposure Limit, Ceiling.
TLV-TWA - Threshold Limit Value, Time Weighted Average.
TLV-STEL - Threshold Limit Value, Short Term Exposure Limit.
TLV-C - Threshold Limit Value, Ceiling.
SKIN - Exposure may occur through skin absorption.
CAS # - Chemical Abstracts Service Registry Number.
PPE - Personal Protective Equipment.
EHS - Extremely Hazardous Substance.
TPQ - Threshold Planning Quantity.
TQ - Threshold Quantity.
RQ - Reportable Quantity.
bw - Body Weight.
LD50 - Lethal Dose 50%, median lethal dose.
NOEL - No Observable Effect Level.*