



Bio Solutions, LLC

SAFETY DATA SHEET

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NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers.

SECTION 1.

IDENTIFICATION

Product Identifier:	Bio Clean 2	Emergency Telephone #:	(800) 424-9300
Product Use:	Synthetic Mud Cleaner	General Information #:	(985) 709-4892
Manufactured and Distributed by:	Bio Solutions, LLC P.O. Box 20427 Houma, LA 70360	Date Prepared:	April 1, 2016
		Date Revised:	March 18, 2020

SECTION 2.

HAZARD(S) IDENTIFICATION

HMIS Ratings: Health 1, Fire 0, Reactivity 0, (scale 0 - 4), Personal Protection D



Signal Word: WARNING

Hazard Class	Category	Code	Hazard Statement
Irritant	1	H317	May cause an allergic skin reaction.
	2	H320	Causes eye irritation.
Toxicity	2	H303	May be harmful if swallowed in large quantities.

- Product VOC: LVP-VOC exempt – Vapor pressure <0.1mmHg @ 20°C (40 CFR 59.203(f))

Precautionary	Code	Statement
General	P101 P102 P103	If medical advice is needed, have product label at hand. Keep out of reach of children. Read label before use.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

SECTION 3.

COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS#	Range%
Ethanol	Ethanol	64-17-5	2%
Surfactant Blend	Proprietary	Not applicable	Trade Secret

SECTION 4.

FIRST AID MEASURES

- Eyes: Flush well with water for 15-20 minutes. Get medical attention if irritation persists.
- Skin: Wash with soap and water. Get medical attention if irritation persists.
- Inhalation: If symptoms develop, move to fresh air.
- Ingestion: DO NOT INDUCE VOMITING. Call a physician immediately.

SECTION 5.

FIRE-FIGHTING MEASURES

No Flash Point: Above 200°F (93°C)

- LFL/HFL: Not determined.
- Extinguishing Media: Use appropriate media for surrounding area.
- Fire & Explosion Hazard: Containers may explode from internal pressure if confined to fire. Cool with water.
- Fire Fighting Equipment: Approach fire from upwind side. Avoid breathing smoke, fumes, mist or vapors.
- Hazardous Combustion Products: Smoke, Oxides of Carbon, Phosphorous, Nitrogen & Sulfur.

SECTION 6.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Ventilate area.

- For all Spills: Spilled material may be slippery.
Absorb spill with vermiculite or other inert material, then place in a container for waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with Local, State and Federal regulations.

SECTION 7.

HANDLING AND STORAGE

- Handling: Wear personal protection equipment.
Do not get in your eyes or on clothing. Wash clothes thoroughly after handling.
- Storage: Keep away from heat, open flame. Keep container closed when not in use. Protect from physical damage.



SECTION 8.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients	CAS#	OSHA/PEL	ACGIH/TLV	STEL
Ethanol	64-17-5	None established	None established	None established
Surfactant blend	Proprietary	None established	None established	None established

Engineering Controls: Provide adequate ventilation. Keep the risk of exposure to a minimum.

Personal protective equipment:

- Eye: Safety glasses with side shields or splash proof goggles.
- Skin: Chemical resistant gloves.
- Respirator: Not normally required.
- Clothing: Normal materials handling clothing.
- Other: Use only in a well-ventilated area.

SECTION 9.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Orange/Yellow, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Bland odor	Vapor pressure	<0.1mmHg @ 20°C Odor
Odor threshold	Not determined	Vapor density (Air = 1)	>1
pH	7.9 to 8.5	Specific gravity (water = 1.0)	App. 1.03
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	Above 200°F (93°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Not flammable	%Volatile/Volume	Not determined

SECTION 10.

STABILITY AND REACTIVITY

- Reactivity: Not reactive under normal conditions.
- Chemical stability: Stable under normal, ambient temperature and conditions.
- Possibility of hazardous reactions: Hazardous polymerization will not occur.
- Conditions to avoid: None known.
- Incompatible materials: None known
- Hazardous decomposition products: None known

SECTION 11.

TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity (short and long term):

- Eye Contact: May cause eye irritation and/or redness.
- Skin Contact: May produce skin irritation.
- Inhalation: Not determined. No issues under normal use.
- Ingestion: Swallowing large amounts may be a slight health hazard.
- Dermal (LD50 Rabbit): Not determined
- Inhalation (LC50 Rat): Not determined
- NTP/IARC/OSHA Carcinogen: No

SECTION 12.

ECOLOGICAL INFORMATION

Aquatic Effects:

- **Bio Clean 2** Passes SEDTOX at 10% by volume. (Performed by Element™ Labs Laf) It scored a 100% and a CV of 0.0
- Since the STR of **0.3 is not greater than the limit of 1.0** as specified in the modification of NPDES Permit GMG 290000, Appendix A for GOM Discharges, this sample would **PASS** the required testing parameter.
- Persistence and Degradability: Stable
- Bioaccumulation: Stable
- Mobility: This product is soluble in water and may spread in water systems. Soil mobility not determined.

SECTION 13.

DISPOSAL CONSIDERATIONS

- Disposal of Wastes: All disposal practices must be in compliance with with all Federal, State/Provincial and local laws and regulations.
- Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.
- RCRA: Not applicable

SECTION 14.

TRANSPORT INFORMATION

United States DOT:

- Regulated: No

IMDG and IATA:

- Regulated: No
- Marine Pollutant (IMDG Code): No
- Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not listed



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SECTION 15.

REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under (40 CFR 720.30)

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

- Immediate (Acute) Health = No
- Delayed (Chronic) Health = Unknown
- Fire Hazard = No
- Reactive Hazard = No

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the minimal reporting levels (40 CFR 372).

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: None known.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

SECTION 16.

OTHER INFORMATION

- Date Prepared: April 1, 2016
- Carefully read all instructions on label before handling this product.
- Keep out of reach of children.
- "FOR INDUSTRIAL USE ONLY"

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Since the use of this product is within the exclusive control of the end user, it is the end user's obligation to determine the conditions of safe use of the product. Such conditions should comply with all state and federal regulations concerning the product.