



DrillClean [Pty] Ltd

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MATERIAL SAFETY DATA SHEETS

Bio Wash

Version: 1

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CLASSIFICATION OF MATERIAL

Not classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

1.1 Product:

Bio Wash

1.1	Recommended Use:	Retrieve and retain hydrocarbons in water
1.2	Supplier:	DrillClean [Pty] Ltd
1.3	Address:	114 Boeing Road East Bedford View Gauteng 1900
1.4	Telephone Number:	011 454 0908
1.5	Email	sales@drillclean.co.za
1.6	Emergency Telephone Numbers:	011 454 0908

2. HAZARDS IDENTIFICATION

2.1	Hazard Classification:	Non-hazardous Substance. Non-Dangerous Goods.
2.2	GHS Classification:	Not applicable.
2.3	Hazard Statements:	No hazard statements.
2.4	Prevention Statements:	P102 Keep out of reach of children. P103 Read label before use. P104 Read Safety Data Sheet before use.
2.5	Response Statements:	No response statements.
2.6	Storage Statements:	No storage statements.
2.7	Disposal Statements:	P501 Dispose of waste material through a licensed contractor or facility.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Cationic surfactant	68424-85-1	1-5%
Sodium bicarbonate	144-55-8	1-5%
Nonionic surfactant	9002-92-0	<2%
Chelating agent	139-89-9	<1%
Citric Acid	77-92-9	<1,5%
Preservative	Proprietary	<0.1%
Colours	Proprietary	<0.1%
Ingredients determined not to be hazardous	Not required	(Balance to 100%)

4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures:

- ◆ **Ingestion:** Immediately remove product from the mouth and rinse mouth out with plenty of water. Drink 1 or 2 glasses of water (or milk). If a large amount swallowed, or symptoms develop, obtain medical attention.
 - ◆ **Eye:** Immediately hold the eyes open and wash with fresh running water for at least 15 minutes. Ensure complete irrigation of the eye by keeping the eyelids apart and away from the eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention.
 - ◆ **Skin:** Remove any contaminated clothing. Wash off with soap and water. If skin irritation occurs, seek medical attention.
 - ◆ **Inhalation:** Remove from source of exposure. Monitor symptoms and progress to assess the need for medical attention.
- 4.2 Medical Attention and Special Treatment:**
- ◆ **First Aid Facilities:** No special facilities required.
 - ◆ **Comments:** Treat according to person's condition and specifics of exposure.
 - ◆ **Advice to Doctor:** Treat symptomatically.

5. FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Equipment:** Carbon dioxide, dry chemical powder, water spray or fog and foam may be used as extinguishing media.
- 5.2 Specific Hazards Arising From The Organic chemical:** Non-flammable. On combustion, may emit traces of incompletely burned carbon compounds, to vapour or products of combustion
- 5.3 Special Protective Equipment and Precautions For Fire Fighters:** Determine the need to evacuate or isolate the area according to your local emergency plan. Fire fighters should wear self- contained breathing apparatus to minimise risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, Protective: Equipment and Emergency Procedures:** Avoid eye and skin contact. Determine whether to evacuate or isolate the area according to your local emergency plan. Caution, spill site may be slippery. Increase ventilation. Evacuate all unprotected personnel. Use full protective clothing and equipment to minimise exposure.
- 6.2 Environmental Precautions:** Prevent run off into drains and waterways. If a large quantity of this material enters the environment, contact the relevant regulatory authorities. Dispose of waste according to local regulations.
- 6.3 Methods and Materials for Containment and clean up:** Observe all personal protective equipment recommendations described in this MSDS. Contain spill. If leaked material can be pumped, store recovered material in appropriate containers. Clean

up remaining materials from spill with suitable absorbent. Dispose of saturated absorbent material or cleaning materials appropriately. Laws and regulations may apply to releases and disposal of this material. You will need to determine which laws and regulations are applicable.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:	Avoid skin and eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking, smoking or using toilet facilities.
7.2 Conditions for Safe Storage, Including Any Incompatibilities:	Store in a cool, dry area, away from heat and out of direct sunlight. Store away from oxidising agents and strong acids

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 National Exposure Standards:	Not exposure standard allocated.
8.2 Biological Limit Values:	No biological limit allocated
8.3 Engineering Controls:	Not Applicable
8.4 Personal Protective Equipment:	Vinyl gloves to be worn to remove spent Oil Booms
Respiratory:	Domestic quantities require no special equipment with normal careful use.
Eye:	Domestic quantities require no special equipment with normal careful use. When handling bulk quantities. Avoid eye contact. Safety glasses with side shields, goggles or face shield should be worn. Eye protection should conform with AS/NZS 1337 Eye protectors for industrial applications.
Skin:	Domestic quantities require no special equipment with normal careful use. Care should be taken with sensitive or damaged skin. When handling bulk quantities. Wear gloves of impervious material. Refer to AS/NZS 2161.1 Occupational protective gloves – Selection use and maintenance.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Description / Properties

Appearance:	Green Liquid
Odour:	Neutral odour
pH:	7 – 7.6
Viscosity (cP @ 25°C):	<100
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Boiling Point (°C):	100°C
Freezing Point (°C):	Not determined
Melting Point (°C):	Not determined
Solubility In Water (g/100 mL):	Soluble in all proportions
Specific Gravity (@ 25°C):	~1.0g/mL
Flash Point (°C):	Zero
Lower Explosive Limit (%):	Not determined
Upper Explosive Limit (%):	Not determined
Autoignition Temp (°C):	Not determined
Decomposition Temp (°C):	Not determined

10. STABILITY AND REACTIVITY

10.1 Reactivity:	Hazardous polymerisation will not occur
10.2 Chemical Stability:	The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3 Conditions To Avoid:	Direct sunlight and heat
10.4 Incompatible Materials and Possible Hazardous Reactions:	Strong oxidising agents and strong acids.
10.5 Hazardous Decomposition Products:	Not Applicable

11. TOXICOLOGICAL INFORMATION

11.1 Likely Route of Exposure:	<input type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Skin contact	<input checked="" type="checkbox"/> Ingestion
11.2 Health Effects From Likely Route of Exposure:			
Acute:		N/A	
Ingestion:		Low ingestion hazard in normal use. Considered an unlikely route of entry in commercial/industrial environments. Low toxicity. Large doses may result in nausea, vomiting, diarrhoea and gastrointestinal irritation.	
Eye:		Direct contact may produce mild irritation to the eye causing some inflammation and lachrymation. Repeated or prolonged exposure may produce corneal damage or conjunctivitis.	
Skin:		No significant irritation expected from a single short-term exposure. Itching, redness and rash may occur in susceptible individuals. The material may accentuate pre-existing skin conditions.	
Inhalation:		Considered an unlikely route of entry	
Chronic:		N/A	
11.3 Other Information:		No known applicable information	

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	N/A
12.2 Persistence and Degradability:	Biodegradable.
12.3 Bioaccumulation Potential:	N/A
12.4 Mobility in Soil:	No information available.
12.5 Other Adverse Effects:	No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method:	Single unit: Dispose of into landfill. Large amounts: Prevent drain or sewer contamination. Reclaim or dispose of in accordance with local, state and federal regulations.
13.2 Disposal of Contaminated	Recycle or landfill.
13.3 Environmental Regulations:	Not relevant

14. TRANSPORTATION INFORMATION

14.1 UN Number:	Not applicable.
14.2 Dangerous Goods Class:	Not applicable.
14.3 Environmental Hazards:	Not applicable.
14.4 HAZCHEM Code:	Not applicable.
14.5 Additional Shipping Information:	Not applicable.

15. REGULATORY INFORMATION

15.1 SUSDP Poisons Schedule:	None allocated.
15.2 Prohibition / Licensing Requirements:	There are no applicable prohibition or notification / licensing requirements, including for carcinogens under Local legislation.

16 . OTHER INFORMATION

16.1 Issue Date:	1 June 2023.
16.2 Contact Points:	
Title / Position:	Research & Development Manager.
Telephone:	011 454 0908
E-mail:	sales@drillclean.co.za

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