JMN SPECIALTIES, INC.
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PRODUCT BULLETIN

BIOCLEAN GS-63

Pipeline Washing and Hydrocarbon Dispersant Compound

General Description

BIOCLEAN GS-63 is a concentrated, biodegradable industrial cleaning concentrate formulated for pipeline cleaning, hydrocarbon removal, equipment degreasing, and general industrial maintenance. The Product combines a high-performance surfactant system with biodegradable chelating agents, builders, and solvent technology to rapidly wet, penetrate, emulsify, and disperse crude oil, refined petroleum products, condensate, grease, paraffin, wax, drilling fluids, black powder, iron sulfide, and other hydrocarbon-based contaminants from industrial equipment and process systems. Designed for both onshore and offshore operations, **BIOCLEAN GS-63** performs effectively in fresh water, produced water, or seawater while maintaining a near-neutral pH that is suitable for cleaning a wide variety of metals, plastics, rubber, fiberglass, painted surfaces, concrete, and other water-compatible materials when used as directed. The Product rinses freely with water, leaves minimal residue after cleaning, and utilizes readily biodegradable ingredients to reduce environmental impact during properly managed industrial cleaning operations.

Features and Benefits

BIOCLEAN GS-63 provides outstanding wetting, penetration, emulsification, and dispersion of hydrocarbon contamination while maintaining excellent compatibility with hard water, produced water, and seawater. The concentrated formulation effectively suspends and transports contaminants including crude oil, grease, paraffin, black powder, iron sulfide, sand, drilling solids, and other particulate matter during circulation or pigging operations. The Product provides excellent cleaning performance with low foam characteristics, rinses clean without leaving oily films or sticky residues, and is suitable for use in circulation cleaning, spray washing, immersion cleaning, pressure washing, and manual cleaning applications. Its biodegradable formulation makes it an excellent choice wherever effective industrial cleaning and environmental stewardship are equally important.

Typical Applications

BIOCLEAN GS-63 is recommended for cleaning oil and gas transmission and gathering pipelines, pigging operations, production tubing, flowlines, process piping, storage tanks, separators, production vessels, pumps, compressors, heat exchangers, drilling equipment, offshore production equipment, marine systems, metal components, maintenance equipment, shop floors, concrete surfaces, and other industrial equipment contaminated with crude oil, refined petroleum products, lubricants, waxes, grease, drilling fluids, and hydrocarbon residues. The Product is also well suited for equipment flushing, circulation cleaning, tank cleaning, pressure washing, immersion cleaning, and general industrial maintenance.

Compatibility

BIOCLEAN GS-63 is compatible with carbon steel, stainless steel, aluminum, copper alloys, plastics, rubber, fiberglass, painted surfaces, concrete, and most common industrial construction materials when used as directed. As with any industrial cleaner, compatibility with specialty coatings, sensitive finishes, or unusual substrates should be confirmed by testing on a small inconspicuous area prior to large-scale application. Do not mix with strong oxidizing agents or strong acids.

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Phone (504) 341-3749 Fax (504) 341-5868 or E-mail: sales@jmnspecialties.com

Directions for Use

BIOCLEAN GS-63 may be diluted with fresh water, produced water, or seawater depending upon the application and level of contamination. For general industrial cleaning, dilute the Product between **1:10 and 1:20** with water depending upon the severity of contamination. Apply by spray, brush, pressure washer, immersion, or circulation methods, allowing adequate contact time before rinsing thoroughly with clean water. For pipeline cleaning and pigging operations, prepare cleaning batches at **5–10% Product concentration** depending upon contamination levels and the amount of accumulated solids. Cleaning pigs should generally travel at velocities of approximately **3 feet per second or greater** to maximize contaminant removal. Severely contaminated systems may require multiple cleaning batches and pigging runs to achieve the desired level of cleanliness. Actual dilution ratios and cleaning procedures should be established through field evaluation based upon contamination levels, operating conditions, and performance requirements.

Environmental and Regulatory Information

BIOCLEAN GS-63 is formulated with readily biodegradable ingredients that help minimize environmental impact when the Product is used and disposed of in accordance with applicable regulations. The Product rinses readily with water and is intended for professional industrial applications where cleaning solutions and recovered contaminants are collected and managed using approved waste handling practices. Waste streams containing recovered hydrocarbons or contaminated solids should be disposed of in accordance with applicable federal, state, and local regulations.

Physical Properties

Appearance	Clear, Light Yellow Liquid
Odor	Mild Detergent
pH	7.5 – 8.5
Specific Gravity	1.00 – 1.03
Water Solubility	Complete
Flash Point	None (Aqueous Solution)
Freeze Point	Approximately 28°F (-2.2°C)

(Typical values; not a specification)

Quality Assurance

BIOCLEAN GS-63 is manufactured under JMN Specialties' ISO 9001 certified Quality Management System using carefully selected raw materials and controlled manufacturing procedures. Each production batch is tested to verify compliance with established quality control specifications before shipment, ensuring consistent product quality and dependable field performance.

Availability

BIOCLEAN GS-63 is available in UN approved 5-gallon pails, and 55-gallon drums and bulk quantities.

Handling and Safety

Handle **BIOCLEAN GS-63** in accordance with good industrial hygiene and safety practices. Avoid prolonged contact with eyes and skin, wear appropriate personal protective equipment during handling, and wash thoroughly after use. Store in tightly closed containers in a cool, dry, well-ventilated location away from incompatible materials. Refer to the current Safety Data Sheet (SDS) for complete information regarding handling, storage, personal protection, first aid, transportation, and disposal.

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