

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

BIOCLEAN 600

Biodegradable Emergency Response Cleaner

General Description

BIOCLEAN 600 is a concentrated, high efficiency, low toxicity bio-surfactant for use in breaking down and dispersing everyday petroleum-based spills such as motor oil, gasoline or diesel, hydraulic fluid, grease, lubricants, as well as being an effective cleaning product for everyday dirt and soils. **BIOCLEAN 600** contains surfactants which aid in bringing hydrocarbons, which are not water soluble, into solution trapping the volatiles that can cause a flash fire. **BIOCLEAN 600** also contains select Bacillus spores (over 200 billion microorganisms per gallon) that aid in accelerating the process of natural dispersion and removal of hydrocarbons from the environment if mechanical recovery is not feasible. The bacteria in **BIOCLEAN 600** will not damage supporting indigenous bacteria and microbial inoculates in ex-situ and in-situ environments. **BIOCLEAN 600** has high solubilizing properties but once in the recycling system, will split from the hydrocarbons allowing for enhanced functionality of the oil / water separators.

BIOCLEAN 600 has a low impact on the environment containing only biodegradable surfactants and contains no VOC's.

Application/Dilution

BIOCLEAN 600 is very mild and may be used on any surface not harmed by water. The emulsification properties and moderate pH of **BIOCLEAN 600** make it an ideal emulsifier and dispersant. **BIOCLEAN 600** may be applied by mop, brush, sponge, fire hose chemical injectors, or mechanical sprayers. Agitate solution to maximize solubilization of the hydrocarbons into the solution prior to vacuuming or wash down.

Physical Properties

Color	Clear Green Liquid
Specific Gravity	1.02
Density	8.50 lbs./gal
pH	8 - 9
Freeze Point	32° F

Emergency Response Application

For emergency response or fuel spill applications a 10% solution of **BIOCLEAN 600** in water should be applied and spread over the entire surface area of the fuel spill. A good rule of thumb is to have a minimum application equal to the estimated volume of the spill. If 1000 gallons of gasoline is spilled, add 100 gallons of **BIOCLEAN 600** to 900 gallons of water and broom or agitate the cleaner into the fuel spill. Immediately upon contact with the diluted solution, possibility of ignition is greatly reduced and environmental measures can be safety taken. The product can then be washed down as usual with greatly reduced environmental concerns.

Non Spill Cleaning Dilutions

BIOCLEAN 600 is concentrated and should be diluted in water before use. Actual dilutions are dependent on soil conditions. Dilute 1:128 (one ounce per gallon) for light duty cleaning (floors, automobiles, etc.), 1:64 for moderate cleaning, 1:32 for heavy cleaning, or dilute as needed for extremely soiled surfaces.

Availability

BIOCLEAN 600 is available in UN approved 5 gallon pails, 55 gallon drums and bulk quantities.

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply.

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