

# JMN SPECIALTIES, INC.

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## PRODUCT BULLETIN

### BIOCLEAN GS-34

#### Biodegradable Bio-Solvent

##### General Description

**BIOCLEAN GS-34** is a concentrated, high efficiency, low toxicity bio-surfactant for use in breaking down and dispersing fresh and weathered hydrocarbons, oil, grease, waxy and particulate soils from metal, glass, concrete, and plastic / rubber surfaces. **BIOCLEAN GS-34** contains surfactants which aid in bringing chemicals, which are not water soluble, into solution. **BIOCLEAN GS-34** is effective in accelerating the process of natural dispersion when mechanical recovery is not feasible and will not damage supporting indigenous bacteria and microbial inoculates in ex-situ and in-situ environments. **BIOCLEAN GS-34** has high solubilizing properties and does not adsorb to soil.

**BIOCLEAN GS-34** is readily biodegradable (> 85% biodegradable according to OECD Screening Test for Readily Biodegradability), and, in dilute form, presents minimal environmental impact. Product is compliant with Green Seal and EPA Design for the Environment (DfE) standards, German UBA No 3406-0014 (Environmentally acceptable chemical), HOCNS Europe Gold Standard, and is separator friendly (Meets pr EN 858).

##### Application/Dilution

**BIOCLEAN GS-34** is very mild and may be used on any surface not harmed by water. **BIOCLEAN GS-34** may be applied by Butterworth spray for tank cleaning, circulation for pipe / hose cleaning, via high pressure wash for surface cleaning, or by spray or wipe for hand cleaning. Allow for penetration prior to wash down.

##### Physical Properties

Color	Clear Light-Yellow Liquid
Specific Gravity	1.00 – 1.03
pH	7.5 – 8.5
Freeze Point	32 F°

##### Dilutions

**For General Purpose Cleaning:** Dilute **BIOCLEAN GS-34** 1 : 10 in water for extremely soiled surfaces; 1 : 15 on moderately soiled surfaces; and 1 : 10 to 1 : 20 for tank, pipe / hose circulation cleaning, or as is to 1:20 for pigging operations.

##### Availability

**BIOCLEAN GS-34** 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. This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this product to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. The major components of **BIOCLEAN GS-34** are included in the "Generally Regarded as Safe" or GRAS list under the Food, Drug, and Cosmetic Act of 1958.

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