



PRODUCT BULLETIN

BIOCLEAN 545-DL

Hard and Soft Surface Cleaner, Dispersant

General Description

BIOCLEAN 545-DL is a water-soluble, highly rinsable combination of mild natural detergents, surfactants, citrus oils and grease emulsifiers that function extremely well in fresh or brine water. Their balanced emulsification systems and neutral pH are ideally suited for degreasing hard and soft surfaces. **BIOCLEAN 545-DL** has been proven to be very effective in cleaning grease, oils, and hydraulic fluids from metal surfaces and, when used in washing operations, for removing oil and grease contamination from porous and non-porous cloth. **BIOCLEAN 545-DL** will rinse completely clean with water leaving behind a mildly corrosion resistant surface. Safe to use when cleaning potable water tanks. **BIOCLEAN 545-DL, 1130** or **1135** are extremely effective when used as a bilge cleaner.

Application/Dilution

BIOCLEAN 545-DL is very mild and may be used on any surface not harmed by water. The emulsification properties and moderate pH of **BIOCLEAN 545-DL** make it an ideal degreaser and dispersant. **BIOCLEAN 545-DL** may be applied by mop, brush, sponge, or spray when used as a hard surface cleaner. Allow for penetration prior to wash down. When used as a cloth or clothing cleaner, add 4 to 6 ounces per gallon of wash water, wash as usual. Adjust amount needed to effectively clean cotton, polypropylene, nylon, polyester, and other types of cloth. **BIOCLEAN 545-DL** is available in a 2X concentrated form for export customers. Concentrate should be diluted with water to final use concentration before sending to job site.

Physical Properties

Color	Clear to Light Amber
Specific Gravity	1.01 - 1.03
pH	7.5 - 8.5
Freeze Point	32° F

Dilutions

For best results, use as provided or dilute **BIOCLEAN 545-DL** 1 : 1 in water for extremely soiled surfaces; 1 : 3 on moderately soiled surfaces; and 1 : 5 on oil spills. When used as a bilge cleaner, use 1:1 for extremely contaminated bilges, and up to 30:1 for normal oil control. For use as clothing cleaner, 4 to 10 ounces per gallon of wash water.

Availability

BIOCLEAN 545-DL 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.