



## PRODUCT BULLETIN

# AQUA SPERSE B&H

## Biodegradable Neutral pH Organic Oil Dispersant

### General Description

**AQUA SPERSE B&H** is a concentrated, water soluble mixture of several non-toxic surface active agents in a 100% organic bio-solvent. It is miscible with water in all proportions and can be used as a concentrate or as a dilute solution in water. **AQUA SPERSE B&H** is considered a completely biodegradable oil spill dispersant. It physically disperses the oil to very fine droplets so the micro-organisms (diatoms, bacteria, etc.) present in sea water feed on these droplets and transfer them into proteins.

As **AQUA SPERSE B&H** speeds dispersion and breakup of the oil spill which is preventing dissolving of atmospheric oxygen into the sea water. The quick breaking up and dispersing of large oil spill allows oxygen to dissolve in sea water, thus allowing it to reach the living marine organisms and preserving the ecology.\*

### Application

**AQUA TREAT B&H** is most effectively applied by aircraft, however, application with boat spray booms, boat fire monitors, and by hand held sprayers and back packs has been successfully done on a number of spills and trials. Aircraft provide the most rapid method of applying dispersants to an oil spill and a variety of aircraft can be used for spraying. For aerial spraying, **AQUA TREAT B&H** is applied undiluted. Effective altitudes will depend on the application equipment, weather and aircraft. A quarter-inch open pipe may be all that is necessary if the aircraft travels at 120 mph (104 knots) or more, since the air shear at these speeds will be sufficient to break the dispersant into the proper sized droplets.

**AQUA SPERSE B&H** may be applied by workboats equipped with spray booms mounted ahead of the bow wake or as far forward as possible. The preferred and most effective method of application from a workboat is to use a low-volume, low-pressure pump so the chemical can be applied undiluted. **AQUA SPERSE B&H** should be applied as droplets, not fogged or atomized. Natural wave or boat wake action usually provides adequate mixing energy to disperse the oil.

### Dilutions

A treatment rate of about 2 to 10 U.S. gallons per acre, or a dispersant to oil ratio of 1:50 to 1:10 is recommended. This rate varies depending on the type of oil, degree of weathering, temperature, and thickness of the slick. As with all dispersants, timely application ensures the highest degree of success. Early treatment with **AQUA SPERSE B&H**, even at reduced treat rates, can reduce the "mousse" forming tendencies of the spilled oil. **AQUA SPERSE B&H** is effective in salt, fresh, or brackish water.

### Availability

**AQUA SPERSE B&H** 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.

\* Refer to the Technical Data Sheet **AQUA SPERSE B&H** for more specific information. Regulatory submission of **AQUA SPERSE B&H** as per U.S. Environmental Protection Agency's NCP Product Schedule. This listing does NOT mean that the EPA approves, recommends, licenses, certifies, or authorizes the use of **AQUA SPERSE B&H** on an oil discharge. This listing only means that data have been submitted to the EPA as required by Subpart H of the National Contingency Plan 300.85.