COREXIT™ EC9500A

COREXIT EC9500A is a high-performance oil spill dispersant that is effective on a wide range of oils, including the heavier, more weathered oils and emulsified oils. COREXIT EC9500A contains the same well-proven, biodegradable and low toxicity surfactants present in COREXIT EC9527A, with a new improved oleophilic solvent delivery system.

The unique oleophilic nature of COREXIT EC9500A enhances the penetration of the surfactants, which is particularly important for dispersion of heavy oils. Based on laboratory tests, COREXIT EC9500A is effective on all spreading oils. As with all dispersants, timely application ensures the highest degree of success.

Early treatment with COREXIT EC9500A, even at reduced treat rates, can also counter the “mousse” forming tendencies of the spilled oil. Thus, with the enhanced penetration capability and emulsion fighting properties, the “window of opportunity” to successfully treat the spill is increased with COREXIT EC9500A.

For a general description of the chemical and physical properties, refer to the Material Safety Data Sheet.

PRINCIPAL USES
COREXIT EC9500A is used to disperse oil spilled on the sea, thereby minimizing its environmental impact.

PRODUCT BENEFITS
- High performance, biodegradable, low toxicity oil spill dispersant
- Effective on a wide range of oils, including the heavier, more weathered oils and emulsified oils
- Contains a new improved oleophilic solvent delivery system
- Quickly disperses a broad range of oils when used promptly
FEEDING AND DOSAGE

AERIAL SPRaying

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, COREXIT EC9500A is applied undiluted. A typical treatment rate is two to ten U.S. gallons per acre or a DOR (dispersant to oil ratio) of 1:50 to 1:10. However, this can vary depending on the type of oil, degree of weathering, temperature and thickness of the oil slick.

Typical application altitudes of 30 to 50 feet have been used, although higher altitudes may be effective under certain conditions. Actual effective altitudes will depend on the application equipment, weather and aircraft.

Careful selection of spray nozzles is critical to achieve desired dose levels, since droplet size must be controlled. Many nozzles used for agricultural spraying are of low capacity and produce too fine a spray. 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.

For Medical and Transportation Emergencies, call (24-hour response):

• United States: 1-800-424-9300
• Outside the United States: 703-527-3887

BOAT SPRaying

COREXIT EC9500A may also 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 workboat is to use a low-volume, low-pressure pump so the chemical can be applied undiluted. Spray systems that apply dispersant neat are preferable.

However, if this is not practical, water-dilution systems that provide a 5-10% dispersant concentration should be used. COREXIT EC9500A is formulated to be diluted with seawater if necessary during application, since the product is active at very low dosage (2-10 USGPA, 19-94L/ha).

A seawater pump allows for easy chemical addition by eduction into the water stream. The mixture of dispersant and seawater is then discharged through booms having several nozzles.

COREXIT EC9500A should be applied as droplets, not fogged or atomized. Natural wave or boat wake action usually provides adequate mixing energy to disperse the oil. Recent tests have indicated that a fire monitor modified with a screen cap for droplet size control may also be useful for applying COREXIT EC9500A. Due to the increased volume output and the greater reach of the fire monitor, significantly more area can be covered in a shorter period of time.

MATERIAL COMPATIBILITY

For application equipment, COREXIT EC9500A is compatible with stainless steel, carbon steel, aluminum, H-D polyethylene, polypropylene, PTFE, natural and synthetic rubbers, Viton®, Teflon® and Kalrez®. Compatibility with plastic materials varies.

HANDLING AND STORAGE

This material can be stored in high-density polyethylene, stainless steel, or double epoxy phenolic-coated carbon steel containers. The containers should always be capped when not in use to prevent contamination and evaporation. Carbon steel and aluminum are not recommended for long-term storage. Read the label and Material Safety Data Sheet for complete handling information before using or storing this product.