

Technical Data Sheet

Lubchem 5000 Bio-remediation Compound

Lubchem 5000 is a light duty biodegradable surfactant / dispersant and deodorant for use in cleaning and remediation of spillage and contamination by petroleum products. This product contains no ingredients listed hazardous by the EPA. Lubchem 5000 does not contain any petroleum distillates, acid, phosphates, chlorides or butyl and is safe on metals such as aluminum, copper and steel.

Recovery and Dissemination

Oil and Fuel soaked ground, roadways and equipment can be rinsed with Lubchem 5000 to remove the oil for easy recovery or dissemination. After the oil contamination has been recovered with conventional methods such as absorbents or vacuum trucks the remaining residue can be difficult and expensive to recover. Lubchem 5000 is very effective when applied to this residue to emulsify and break up the hydrocarbon into minute particles that will not re-coalesce.

Surface Spills

Oil and fuel soaked ground contaminated from fresh or repeated spills can be sprayed and soaked with Lubchem 5000 to disperse and emulsify the hydrocarbon contaminant. Lubchem 5000 will permeate the oil-saturated soil and form a brownish milky emulsion, which should then be rinsed thoroughly with water. Brine content and hydrocarbons will be dispersed by the water rinse and will facilitate bio-degradation of the contaminant as well as the Lubchem 5000. Tilling the soil with a standard garden tiller or tractor drawn disk followed by Lubchem 5000 treatment will help to eliminate any soaked contamination.

Underground Spills

Hydrocarbon spills in sewers, manholes and drainage systems can be effectively treated with Lubchem 5000. Large amounts of hydrocarbons spilled into underground systems may require vacuum trucks to recover bulk quantities. Otherwise, apply Lubchem 5000 through a high-pressure system and apply vigorous agitation down into the surface of the spill. Continue application until a thick stable layer of suds appears on the surface.

Application Guidelines

As a dispersant - Lubchem 5000 may be applied by spraying, pressure washer, standard fire fighting equipment (a fog nozzle set at a narrow pattern is recommended), or any other high volume sprayer. Agitation is important to achieve rapid and complete emulsification. Start at one end of the spill and apply Lubchem 5000 over the entire area working to the other end of the spill.

General Purpose Cleaning - Apply with mop, spray, pressure washer and reapply as needed to keep the surface wet. Allow sufficient time for Lubchem 5000 to penetrate the dirty surface, then rinse or flush with water. Hot water, or for optimum results hot high-pressure rinse, will provide the best result. Where water rinsing is not possible, wipe treated surface with wet cloth or sponge taking care to frequently rinse. Old or heavy encrustation of thick material will require adequate time for penetration. Agitation with water pressure, cloth, sponge, brush, or fiber pad will speed up the initial cleaning process. Thereafter, regular maintenance will require normal application and rinse procedures.

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Lubchem 5000 cont.

Lubchem 5000 is available in the following sizes:

Part No.

50159	55 gal. drum
5000325	325 Gallon Tote

Typical Properties:

ColorClear Red
Specific Gravity @ 25°C1.08
pH, 5% aqueous solution7.5
Flash Point (PMCC) None

Storage and Handling:

This material should be stored in tightly closed containers and away from excessive heat. Normal safety precautions should be used in handling this product' such as wearing rubber gloves and splash goggles. Avoid prolonged skin contact. In case of eye contact, flush eyes with large amounts of water for 15 minutes and see a physician. If swallowed, call a physician immediately.

The information contained and the recommendations made in this data sheet are based upon data collected and believed by us to be correct. However, no guarantee or warranty of any kind expressed or implied is made herein with respect to the merchandise described and we assume no responsibility for the results or the use thereof. Lubchem, Inc., PO Box 2626, Spring TX, 77383-2626. Tel (281) 350-9600, Fax (281) 288-0849.