GOC Technologies

USING TOPICAL ODOR CONTROL

In many situations, rapid, temporary odor control is essential. GOC®'s topical products are sprayed directly on an offensive surface such as sewage biosolids, manure, garbage, or assorted industrial chemicals. Deodorization occurs within seconds and lasts a varying length of time based on the volatility of the treated substrate. GOC®'s topicals use active chemistry rather than masking techniques. **QuikSoil®** topicals reacts with volatiles attempting to escape the surface. The more volatiles encountered, the faster the treatment is consumed and must be repeated. Longevity of treatment is also impacted by relative humidity, temperature, and wind conditions. Under ideal conditions with moderate volatility of the treated material, a single application can last a week or more. In hot, damp, conditions with very volatile materials, treatment may only be effective several hours.

Nevertheless, for situations such as spills, offloading of odorous materials, agitation of odorous materials, material transport, and other limited duration events, topical applications represent the most cost effective treatment available.

QuilSoil® 2500 (formerly #505) is our most preferred topical product. It is completely biodegradable, environment and user friendly, and easy to apply. 2500 is mixed with water as a carrier and sprayed, misted, or fogged on the offending surface. A variety of equipment is used to apply the product. Everything from lawn sprayers to water trucks, hydro-seeders, etc. has been employed as an implementation system for 2500. Pictures of various applications are available in the **QuikSoil® 2500 PowerPoint.**

Variable dilution ratios with water are recommended depending on application equipment. Water is added only as a carrier and the amount of water will vary according to the type of application equipment used. For example, with low flow equipment such as a 12 volt lawn sprayer, a dilution rate of 100 to 1 would typically be implemented. With high flow equipment such as a water truck with fan sprayers or canon, 500 to 1 up to 1000 to 1 is often implemented. Application rates are determined by the amount of 2500 concentrate needed per square foot or square meter of surface, or per acre of surface. Depending on odor intensity, 1.5 to 3 gallons of concentrate is applied per acre of surface area. In many situations where large expanses of surface area are involved, topical treatment may represent the most economical and effective approach, especially if the area is easily traversed by water truck or some other spray vehicle. However, 2500 is equally effective in smaller, contained areas. Many users apply 2500 with a backpack sprayer around leaky vehicles, containers, or compactors.

2500 has been successfully used on rail car spills, transport of sewage bio-solids and municipal garbage, closed landfill cells with gas seepage problems, relocation of landfilled materials, facility operations after rodeo and circus events, temporary leakage or emission problems from wells, gas wells, or septic fields, after events at bio-solids drying facilities and compost facilities, and around waste containers and compactors. It has also been used in zoos and theme parks with specific emission problems such as ammonia, indole, and various reduced sulfur compounds.

3rd party analytical testing of QuikSoil® 2500 as a treatment for volatile organic compounds (VOC's), ammonia (NH3), and reduced sulfur compounds (RSC's) showed results of >95%, >88%, and >80% respectively.*

There is no easier, more rapid, or more effective treatment possible in many, many situations. Additional information, Performance Test Reports, MSD sheets, and technical information are available in the ***Downloads*** section.