

MANUFACTURER'S GUARANTEE:

We will replace any broken or defective kits. If you are not satisfied with our product, return any defective kits to Demeter Enviro for a refund. We reserve the right not to provide refunds if the kits have been tampered with in any way, or if not used in accordance WITH the product MSDS and Instruction Manual.

Demeter Enviro LLC provides the information contained in this publication in good faith but makes no representation as to its comprehensiveness or accuracy. The information provided is intended only as a guide to the appropriate handling and use of the Detect-Oil-On-Surface kits by a properly trained person who is qualified to use the materials being tested. Individuals reviewing this information must exercise their independent judgment in determining its appropriateness for a particular purpose or application.

Demeter Enviro LLC makes no representations or warranties, either express or implied, including without limitation, any warranties of merchantability, fitness for a particular purpose with respect to the information provided. Accordingly, Demeter Enviro LLC will not be responsible for damages resulting from use of, or reliance upon this information.

Demeter Enviro LLC
PO Box 1096
Lancaster, MA 01523
Tel: 1 (508) 619-9048
info@demeterenviro.com
www.demeterenviro.com
Manufacturers of Field Screening Tests

Detect-il-On-Surface (Swab)

Field Screening Test

Standard Operating Procedure



DEMETER ENVIRO LLC

Supporting the environment one test at a time

INTRODUCTION:

Detect-Oil-On-Surface (Swab) is a rapid indicator for determining the presence/absence of petroleum hydrocarbons and/or oils on the surface of virtually any solid material (lowest detection level is approx. 5,000ppm).

NOTE: Remember the test is a non – specific presence/absence indicator. Any compound soluble in alcohol (but insoluble in water) will produce an emulsion (milky solution).

Each kit comprises:

- 1) A clear plastic, flat bottomed, tube with a stopper cap
- 2) A sealed hollow shaft (containing an alcohol) tipped with a sponge swab.

USING THE KIT:

Detect-Oil-On-Surface (Swab) kits are designed with ease of use in mind. Simply follow the instructions on the label:

- 1) Remove the swabbed shaft from its container.
- 2) Add enough potable water to the outer tube to just cover the foam tip.

Sharply bend the middle of the swabbed shaft to force the alcohol onto the foam tip. When the swab tip is fully saturated with alcohol, rub swab over the test surface. Replace the swabbed shaft (foam tip toward the bottom) into the tube containing water. Replace the

tube's cap and shake tube for a couple of seconds. Wait a few more seconds for the results.

Note: Water will turn a “milky/cloudy” color if OIL was present on the test surface.

Detect-Oil-On-Surface (Swab) uses the difference in solubility between alcohol, water & petroleum (on the test surface). The test relies on the fact that the test compound is very soluble in alcohol, but virtually insoluble in water. Therefore:

Higher concentrations of oils increases the “clouding” effect of the test water.

RECOMMENDED PROTECTIVE EQUIPMENT:

Please follow safety instructions outlined in the MSDS. Always use gloves and safety glasses when using the **Detect-Oil-On-Surface (Swab)** kits.

DISPOSAL OF USED KITS:

As per the MSDS and local regulations.

NOTE: Detect-Oil-On-Surface tests are non-specific, “non-precision” qualitative tests designed for rapid screening in a field situation. Our tests screen for a wide variety of oils and products and are not designed to replace analytical testing. Demeter Enviro recommends users employ confirmatory testing when working with Detect-Oil-On-Surface tests.