

## **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-In-Water 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.

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**Manufacturers of Field Screening Tests**

# **Detect-il-In-Water** **(Crystals)**

Field Screening Test

## **Standard Operating Procedure**



**DEMETER ENVIRO LLC**

**Supporting the environment one test at a time**

## **INTRODUCTION:**

**Detect-Oil-In-Water (Crystals)** test kit was developed for detecting a small (approx. 10 ppm+) amount of oil in water. The test is based on an old fashioned, but effective, method of identifying oils in water below the point at which an oil sheen is visible.

## **USING THE KIT:**

In keeping with our desire to offer rapid, safe and simple field tests, Demeter Enviro identified a method for sealing a “de minimus” quantity of a unique form of camphor in a convenient sealed “tear open” packet. The specially designed heat sealable foil packet will store camphor crystals for years without allowing the crystals to sublime.

**NOTE:** *The crystals are in a larger size sachet to prevent them from clumping together*

**NOTE:** *Before opening the package – MASSAGE the crystals to ensure they are fully separated as they have a tendency to clump together which impedes spinning action.*

**To use this kit:** Fill plastic **bowl halfway with water** to be tested. Tear open the crystal packet and sprinkle **a light dusting of crystals over** the water’s surface

(taking care not to touch the crystals with your hands as the natural oils in your skin may affect the test).

**NOTE:** Sprinkle small amounts of crystals only – too many at one time creates clumps which can impede the spinning action.

*A majority of spinning crystals indicate=*  
**NO OIL (or -10ppmTPH approx.)**

*Mostly stationary crystals indicate=*  
**OIL is present.**

The only known sources for interference with the results are the presence of detergents, or alcohol in the water – neither of which are typically found in these types of field applications. No additional reagents are needed.

## **RECOMMENDED PROTECTIVE EQUIPMENT:**

Please follow safety instructions outlined in the MSDS. Always use gloves and safety glasses when using the **Detect-Oil-In-Water (Crystals)** kits.

## **DISPOSAL OF USED KITS:**

As per the MSDS and local regulations.

**NOTE:** 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-In-Water tests.