

Hydrosure™ Fluorescein Dye Stick

Hydrosure

General Description

Hydrosure™ Fluorescein Dye Stick is an ideal alternative for operations where the application of a liquid would be awkward or a small controlled dose is required. The sticks are designed for ease of handling and placement. Chemically, it is the sodium salt of hydroxy-o-carboxy phenyl.

Features

- Meets current North Sea regulatory requirements and is rated in the Gold band under CHARM for completion workover projects
- ChampionX have developed a unique stick coating which may be applied to each stick. This water soluble coating can retard the dissolution of the stick for a period of time

Benefits

- Can be used in conjunction with other standard hydrotest chemicals
- Can provide a considerable project cost saving as DSV and equipment rental can be reduced

Principal Applications

Hydrosure™ Fluorescein Dye Stick is an excellent way to apply tracer dye for use in leak detection. It exhibits an intense green colour once dissolved and diluted.

This colour is readily detectable by the human eye, provided a suitable 'illumination' source is used. The required adsorption/excitation wavelength range is either a broad band around a maximum of ~490nm or standard UV 'black light' illumination. Similarly 'wavelength specific' detection equipment should ideally be tuned to a band around ~520nm to encompass the emission maximum. The exact maxima can vary slightly depending on pH and media.

Hydrosure™ Fluorescein Dye Stick was originally designed to enable divers and ROV's to insert a chemical inhibition package into a pipeline or spool pieces, but has found many applications beyond this. It can also be applied 'onshore' ahead of any free flood of equipment.

Material Compatibility

For material compatibility, please refer to the ChampionX materials suitability guidelines or contact your local representative to obtain this information.

Feeding and Dosage

Hydrosure™ Fluorescein Dye Stick is designed such that one stick provides 20ppm of active Fluorescein Dye in solution per m³. Dependent on factors (currents, detection equipment etc.) a typical, operational dose rate might be 30 to 50 ppm.

Hydrosure™ Fluorescein Dye Stick is completely soluble in fresh water and seawater with a relatively rapid dissolution rate.

In a static system at 8 to 10°C Hydrosure™ Fluorescein Dye Stick typically dissolves in a 4 to 6 hour period.

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Shipping, Handling, and Storage

Read the label and Safety Data Sheet (SDS) for complete handling information before using or storing this product. This material can be shipped in a variety of containers including drums, returnable totes and/or in bulk. Contact your ChampionX representative for shipping options and net container weights.

Safety and Environmental

Please refer to SDS for additional product details. In an emergency situation, please contact:

- Chemtrec USA at 1-800-424-9300
- Chemtrec Canada at 1-703-741-5970

Contact Information

If you need assistance or information, please call your ChampionX representative or visit www.championx.com.

Disclaimer

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