

PIK KEMICAL

Chemical Technologies

B/4

SOLVENT 2

GENERATION OIL SPILL DISPERSANT

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DESCRIPTION

SOLVENT 2 is a dispersant based on surface active agents and solvents with a very low toxic level.

APPLICATIONS

Eliminates liquid hydrocarbons like: crude oil, mineral turpentine, kerosene, gas oil, heavy fuels, lubricants spilled at ports, sea, near off-shore drilling platforms.

ADVANTAGES

- Action: SOLVENT 2 transforms hydrocarbons in thin emulsions.

This breakdown has following consequences:

- Accelerates their biodegradation by marine bacteria.
- Avoids the barrier effect that disturbs chemical and physical exchanges between the atmosphere and marine environment.
- Biodegradability: conform to present legislation on biodegradability of surface-active agents.)
- This composition meets the criteria for not being harmful to the marine environment according to MARPOL Annex V (resolution MEPC.201(62))

INSTRUCTIONS

A) For pollution at port:

Pour SOLVENT 2 on the hydrocarbons spilled at sea.

- if the layer is thin spray SOLVENT 2 by a manual pump with incorporated storage.
- if it is very large can be used a spraying gun installed on the bow of a motorboat, to spread the product on the hydrocarbon layer.

SOLVENT 2 may be mixed with water, in the minimum ratio of 10%, and should be increased (up to using the product pure) in case the hydrocarbons are thick, viscous, or oxidized .

- wait a short time to allow that the hydrocarbons emulsify the product, then disperse it with a fire launch or other mechanical means with repeated crossings of the polluted area with motorboats.

Hydrocarbons on pier walls and pillars may be eliminated with the following technique:

spray with the dispersant the polluted areas, wait 5 min. and disperse the hydrocarbon layer with a fire hose or a water pressure hose.

INFORMATION

If deposits are oxidized, repeated treatments may be required

B) For sea pollution or pollution near off shore platforms:

- circle the oil layer with a floating barrier.
- try to pump or absorb the hydrocarbon layer with adequate mechanical means.
- spray SOLVENT 2 on remaining oil with a spray nozzle secured to the bow of a motorboat or tug.
- feed systems of spray hoses on antipollution boats are designed to inject the dispersant, mixed with sea water.

Our technical office can supply special flat nozzles with adaptable range for spraying SOLVENT 2 on sea surface.

The movement created by the propellers of the operating launches is sufficient to generate the emulsion that will be dispersed subsequently.

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AVERAGE SUGGESTED DOSAGE

- **light hydrocarbons: (crude light oils, mineral turpentine, kerosene, gas oil)** 100 liters of SOLVENT 2 per 1 m³ of hydrocarbons.
- **crude oil with medium viscosity level:**
150 liters of SOLVENT 2 per 1 m³ of hydrocarbons.
- **heavy hydrocarbons: dense combustion oils, lubricants**
200 liters of SOLVENT 2 per 1m³ of hydrocarbons.

PRECAUTIONS

In case of contact with skin or eyes, rinse thoroughly with fresh, running water.

ATTENTION

The use of SOLVENT 2 in areas of special ecological interest is subordinated to authorization of the competent Authorities.

PACKAGING

Non returnable

- Metal drums 208 liters
- Metal pails 25 liters