



## SPILCARE SPILL KITS

Accidents happen, be prepared with Spilcare Emergency Response Kits to handle any kind of spill.

Use Spilcare kits on a wide range of industrial, maintenance and environmental spill response applications.



### Benefits of Procuring Spilcare Spill Kits

- Your company / HSE team will be prepared in dealing with any kind of accidental liquid oil, chemical spill or any unidentified spill.
- Adopt industry best practices to keep your plant clean, safe and prevent worker injuries, loss to property and minimize environmental damage.
- Comply to industry/regulatory standards, especially OSHA (Occupational Safety and Health Administration) and ISO 14001.



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## Best Solution to Oil Pollution



- Leaders in the manufacture of specialty cleaning chemicals and oil spill dispersants
- Forefront in Oil Spill Dispersant Technology
- First to wholly indigenously develop - state of the art concentrate type dispersants in India(1974)
- Supplies a range of well designed marine Dispersant Spray Systems to complement dispersant application
- Deal in the whole of range of mechanical oil Pollution control products such as:
  - Oil Containment Booms • Silt curtains • Oil Skimmers
  - Sorbent spill kits • Flexible storage tanks • Oil Response workboats.
- Spilcare products are in use with industry leaders and key clients within the offshore, maritime, oil and gas, and pollution control sectors

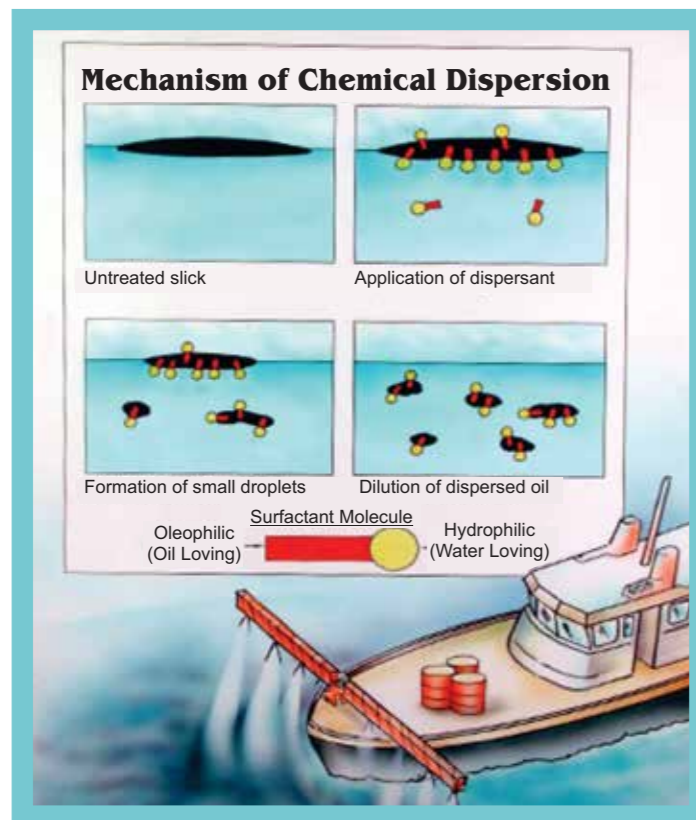
## SPILCARE - OIL SPILL DISPERSANT

ENVIRONMENTALLY FRIENDLY CHEMICAL

SAFETY & ENVIRONMENTAL INFO	INDICATED USE-TREATS OIL SPILLS AT SEA CAUSED BY ACCIDENTS	ADVANTAGES
<ul style="list-style-type: none"> <li>Tested to pass toxicity tests in India, Canada and Singapore.</li> <li>Biodegradable - Passed bio-degradability test.</li> <li>Free from harmful hydrocarbon solvents.</li> <li>Free from caustic alkali and harmful acids.</li> <li>High standards in operator safety in handling and uses, due to non-toxicity</li> </ul>	<ul style="list-style-type: none"> <li>From tankers, freighters, barges, bulk carriers and other watercraft.</li> <li>From Marine terminals / refineries</li> <li>From offshore oil platforms.</li> </ul>	<ul style="list-style-type: none"> <li>With its high efficiency in both neat (type3) and dilute (Type 2) form:</li> <li>Can be safely used in dispersing oil spills by getting a wide range of application rates</li> <li>Dual application - tested as an emergency response fire-extinguishing agent.</li> <li>Proven and reliable, with a maximum no of actual product experiences at sea.</li> </ul>

## FUNCTIONS OF SPILCARE DISPERSANT

With its high rate of efficiency and emulsion stability, it successfully breaks down the oil into micron-sized droplets, which allows the naturally occurring bacteria to rapidly turn the hydrocarbon into harmless CO<sub>2</sub> and water



## OIL DISPERSANT SPRAY SYSTEMS

### SHIP MOUNTED SPRAY SYSTEMS



### CLEARSPRAY

CLEARSPRAY is a range of installed pump systems for the application of oil dispersant from tugs, offshore supply vessels and other specialized craft.



### BOATSPRAY

BOATSPRAY is a portable dispersant spray system for beach use or operation from tugs, offshore supply vessels or other craft.



### AFEDO NOZZLE

- Specially developed as an alternative to spray arms for the application of dispersant from tugs, offshore supply vessels and workboats
- Creates an even drop-out spray plume (10-15m) on either side of the vessel
- The nozzle set is supplied with a universal clamping device so that it can be secured to any convenient vessel structure
- Its light and compact and can be easily moved from vessel to vessel without the need for any additional fittings or modifications.

## OIL SPILL CONTAINMENT BOOMS

Use for concentrating oil so that it is thick enough to be skimmed, keeping oil out of sensitive areas or for diverting oil into collective areas.



### PERMABOOM HD

- Used for permanent or long-term oil/debris containment in and around marine facilities
- Extremely rugged construction and excellent resistance to weathering provide years of reliable, low-cost service
- Heavy duty, high strength, PVC-coated polyester conveyor belting membrane
- Marine growth and UV inhibitors for years of low maintenance, 24 hour per day protection



### FLASH BOOM

- Self-inflating boom ideally suited for emergency spill response
- Extremely rapid deployment capability
- Unique self-inflating technology does not require the use of any pumps, blowers or compressors
- No moving parts to break. No springs to corrode
- Ultra compact storage with a compaction ratio of up to 15:1. 30m of boom compacts down to a length of 2 m



### SHORE SAVER BOOM

- Used in the inter-tidal zone or dynamic river environments
- Used for protection of beaches, marshes, mudflats
- It is compact, towable, reel-able and light weight
- Water-filled cylindrical outer chamber, single internal air chamber
- Also be used for temporary storage of recovered liquids



### ECOCLLEN - MULTIPURPOSE CLEANER

ENVIRONMENTALLY FRIENDLY CHEMICAL

#### SAFETY & ENVIRONMENTAL INFO

- Non-Toxic.
- Readily Biodegradable
- Non-hazardous
- Non-flammable
- Non-Carcinogenic to humans

#### INDICATED USE - NUMEROUS INDUSTRIAL CLEANING & DEGREASING APPLICATIONS

- Removal of greases, oils, sludge, carbon deposits, dirt & grime
- Removal of oil contamination from machinery and engine room equipment.
- Used in soak tank cleaning of machinery parts
- Tank cleaning
- Cleaning of glass fiber boats, hulls and painted surfaces
- Removal of oil/grease on pier, docks, ship decks and side of ships

#### ADVANTAGES

- An environmental cleaner & degreaser free of acids, chlorides and phosphates
- A replacement for mineral spirits and other hazardous solvents
- not an endocrine disruptor; No Nonyphenol or Alkylphenol Ethoxylates
- Versatile. Works well in a vast number of applications at different dilutions.
- With its wide application range is most economical
- Most safe to use as it is non-caustic and free from harmful petroleum hydrocarbon solvents
- High flash point, safe to store and handle
- Pleasant smell, useful to remove bad odor

## OIL WATER SEPARATOR



#### SPECIFICATION FOR OIL WATER SEPARATOR

Model	0436 (Static)	0436 (Mobile)
Estimated throughput	15m <sup>3</sup> per hour	15m <sup>3</sup> per hour
Filters oil to	<5ppm	<5ppm

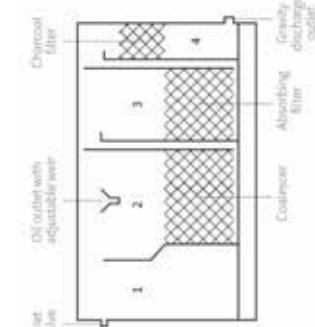
Please note: The static OWS units can be offsetloaded by forklift, but if you require lifting eyes there is an additional cost per unit, this covers certification as well. Pump shown in picture is supplied separately.

**Description:** Rugged construction that is maintenance free. Can be used on the trailer as a mobile unit or off trailer for long term deployment. Ideal for emptying oil bunds, decontaminating building sites or petrol stations, or using at any waterborne spill after containment.

**Operation:** Using a four stage filtration process the static or trailer mounted unit can be operational within fifteen minutes of deployment.

The four stage filtration process includes:

- Stage 1- Sludge settling and debris screening
- Stage 2- Coalescing filter with adjustable weir and oil outlet
- Stage 3- Polypropylene filter
- Stage 4- Final carbon polishing filter



It is essential that the unit is operated with an oil/water mix. This is a prime requisite for the operation of the coalescer stage. For optimum performance there should be no less than 50% water input. A very high percentage of water input does not adversely affect correct operation or significantly affect filter life.

## MULTISKIMMER



- High efficiency Skimmer, up to 98% recovery of oil floating on water

As the name implies the Multiskimmer performs the duties of multiple types of oil skimming in 1 unit, thereby reducing cost, weight and storage volume

- Rugged, all aluminum construction, powder coated
- Can be used to recover a range of oil viscosities from light oil to heavy crudes