



**The Only True
Absorbent
Engineered for
Organic Liquids**

**For superior performance in the
"Capture and Containment" of
hazardous organic liquids...
IMBIBER BEADS really are your
only solution!**

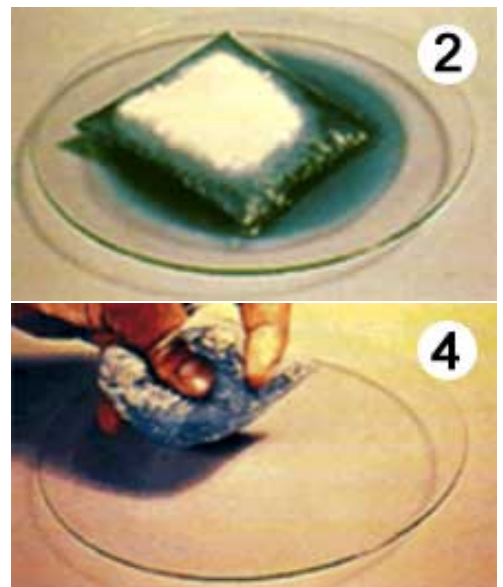
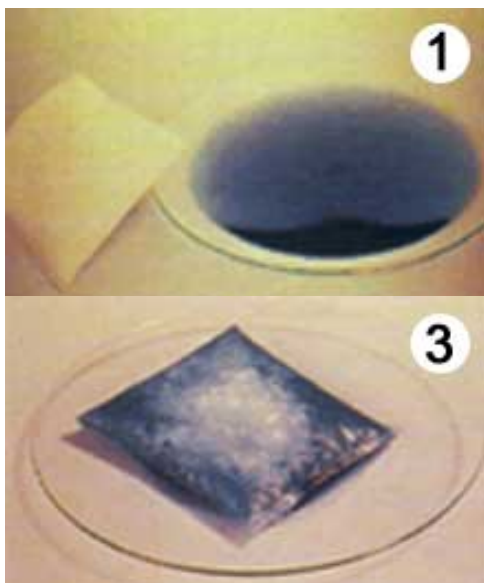
- Reduces Waste Disposal Cost
- Selectively Removes Organics from Water
- Eliminates Secondary Contamination
- Reduces Hazardous Vapour Release

ABsorbents vs. ADsorbents*

Imbiber Beads® are completely different from all other types of materials used for recovery of organic chemicals, (i.e. oil, fuel, solvents, etc.). As defined in the World Catalog of Spill Response, chapter 3, sub-section 2.2 definitions, "ADsorption"; the gathering of substances over the surface of the Adsorbing material. "ABsorption"; the incorporation of a substance throughout the body of the Absorbing material. Once a compatible liquid comes into contact with the Imbiber Beads® they 'drink' the liquid into their solid structure and begin to "swell".

Depending upon the liquid to be absorbed, the Imbiber Beads® will "swell" up to 3 times their original size and "contain" up to 27 volumes of liquid for each Bead Volume. Once a liquid has been "imbibed" or absorbed by the Beads, it can no longer be released back into the environment.

*Adsorbent Products include plastic fibre, cellulosic fibre, mats, polypropylene and mineral products.



Imbiber Beads (demo packet) 'drink' compatible liquids into their molecular structure. There is no practical way to make the Beads release a liquid once it has been "Imbided."

Typical Adsorbents will release their contents under pressure, gravitational pull, or will leach their contents in water.

What are Imbiber Beads?

They are spherical plastic particles that 'IMBIBE' (or drink or absorb) a very broad cross section of the organic chemical spectrum. The polymer particles are solid and only about the size of a sugar granule. There are no pores or voids to fill as in a sponge or pad. Once contact has been made with a compatible liquid, the beads drink the liquid into their solid structure and swell up. Amazingly, in some liquids this can be up to 27 volumes per original bead volume. The Beads will not release the liquid, not through compression, gravitational pull, not even when cut in half. The liquid is held in the molecular structure - not in droplets.

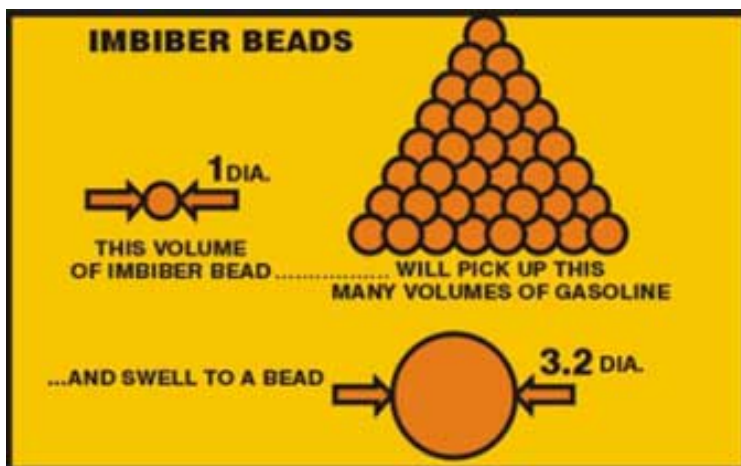
Applications & Benefits

- OIL WATER SEPARATORS with Imbiber Beads® Pillows installed operate more efficiently and generate less detectable discharge.
 - PCB's are "immobilized", safely transported and incinerated efficiently with Imbiber Beads
- PREVENTATIVE MAINTENANCE in repair shops, on flight line or for motor pools is much safer with a Bead Blanket "drop cloth" versus "drip tray hazards" like tripping/slipping, overflow, uncontrolled vapor release and cleanup time/costs.
 - "FUEL POTS" on the flight line do not require "pump outs" when Imbiber Beads® packets are installed to capture and remove fuel residue and sheens as required.
- Imbiber Beads® ensure FIRE DEPARTMENTS & EMERGENCY RESPONSE operations are safe and cost effective as they can possibly be.

The Many Advantages to Using the True Absorbing System of Imbiber Beads:

- Efficient Capture of Organic Liquids
- Total Containment of Captured Organic Liquid
- Drastic Reduction of Potentially Dangerous Vapour Release
- Effective Separation of Oil/Water (Unaffected by Water)

Once absorbed by Imbiber Beads®, liquids cannot be released back into the environment as secondary contamination. Unlike most Adsorbents, Imbiber Beads can eliminate the sheen from water.



With Imbiber Beads® the liquid becomes an integral part of the Imbiber Bead's solid polymer structure and they swell up to 3 times their original diameter; Absorbing up to 27 volumes of organic liquid per Bead volume. Imbiber Beads "cross-linking" properties prevent the Beads from dissolving back into solution like encapsulation or thicker technologies.

- Workers` exposure to hazardous vapours is minimized
 - Risk of ignition or explosions are greatly reduced
- Atmospheric pollution minimized so evacuation scenarios are virtually eliminated

Used in conjunction with existing response containment equipment or in a stand-alone situation, IMBIBER BEADS® have no equal where protection of emergency response personnel, equipment and the environment are concerned.