



# IMBIBER BEADS® MATERIAL SAFETY DATA SHEET

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**Imbiber Beads® Products:** • Packets (IM0077) • Pillows (IM1421) • Floating Boom (IMBWF0909)  
• Blankets (IM2142) • Mini Boom (IM0742)

**ACTIVE INGREDIENTS:** Solvent Swellable, Water Insoluble — Alkylstyrene Copolymer

**OTHER INGREDIENTS:** Polyolefin and less than 1% Kaolin Clay to retard static

**Note:** This information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Imbibitive Technologies America Inc. shall not be held liable for any damage resulting from handling or from contact with the above products. See invoice for additional conditions of sale. It is the users responsibility to determine the suitability for specific applications - prior to use. When used, these items should be treated the same way as the fluid imbibed. This means both toxicity and flammability will be similar to the material imbibed or absorbed.

## Section 1 - APPEARANCE

<b>Packets:</b> Dimensions: 7" x 7" (17.8 cm x 17.8 cm)	<b>Physical:</b> A single packet of Polyolefin non-woven fabric containing Imbiber Beads® & polyolefin wick.			
<b>Pillows:</b> Dimensions: 14" x 21" (35.6 cm x 53.4 cm)	<b>Physical:</b> A 2 x 3 configuration of the Packets (see above).			
<b>Blankets:</b> Dimensions: 21" x 42" (53.4 cm x 106.8 cm)	<b>Physical:</b> A 3 x 6 configuration of the Packets (see above).			
<b>Mini Booms:</b> Dimensions: 7" x 42" (17.8 cm x 106.8 cm)	<b>Physical:</b> A 1 x 6 configuration of the Packets (see above).			
<b>Specific Gravity:</b> <1.0	<b>Solubility in Water:</b> NIL	<b>Vapour Density:</b> NIL	<b>% Volatile:</b> less than 1%	<b>Boiling Point:</b> NONE

## Section 2 — FIRE & EXPLOSION HAZARD DATA

**Flash Point:** ~450°F (COC) **Explosive Limit:** (does not apply)

**Extinguishing Method:** WILL DEPEND ON THE MATERIAL BEING IMBIBED. These bead products are combustible — use water fog, aqueous foam, CO<sub>2</sub>, dry chemical.

**Special Fire Fighting:** WILL DEPEND ON THE MATERIAL BEING IMBIBED. For bead products that are unused a self contained breathing apparatus is

<Equipment> good practice and mandatory in any closed space.

**Hazards:** The plastic component of these products will emit black smoke on burning and unless excess oxygen is available carbon monoxide is probable.

**Special Precautions:** The units themselves should be stored away from heat, welding sparks, or open flame, since they are combustible. Any special hazards will be due to the material imbibed.

## Section 3 — REACTIVITY DATA OF UNIMBIBED BEAD PRODUCTS

**Stability:** Hazardous polymerization — will not occur.

**Incompatibility:** OXIDIZING AGENTS. It is never good practice to use oxidizing materials in contact with high surface area organic products.

**Hazardous Decomposition:** At decomposition temperature (~450°F) these bead products may revert to monomers—or during combustion may form carbon monoxide

**Products:** and soot with insufficient oxygen. These products contain no halogen (chlorine, bromine or iodine) or nitrile. However, the major hazard will depend on the character of the fluid imbibed.

## Section 4 — SPILL, LEAK AND DISPOSAL PROCEDURES

**Action to take for Spills:** Use appropriate safety equipment. Loose beads will cause a slippery condition on hard surfaces. Sweep up or vacuum to control spills. When these units are used, the spill procedure should be that for the material imbibed.

**Disposal:** Should be in accordance with Local, State, Provincial or Federal Regulations. The disposal procedure should be that used for the fluid imbibed. Unused bead products can be treated as normal plastic.

## Section 5 — HEALTH HAZARD DATA

**Ingestion:** Low single dose toxicity, LD50 (rats) is greater than 2000 mg / kg. Not likely to be swallowed due to physical nature of beads. Toxicity of imbibed bead products will be that of the material imbibed.

**Eyes:** Mechanical injury only. Wash out with approved eye wash. Safety glasses are a minimum. Use of a coverall goggle in a windy or dusty area is good practice. The fluid imbibed is a more likely hazard and should be considered.

**Skin Absorption:** Not likely. When these bead products are used the fluid imbibed will have to be considered. Imbibed beads should be treated as fluid imbibed.

**Inhalation:** Not likely a problem. In any dusty atmosphere a dust mask should be used for comfort. All imbibed fluids have a vapour pressure that will have to be considered. Imbibed bead products will normally reduce the rate of vaporization — but will not eliminate it.

## Section 6 — FIRST AID — NOTE TO PHYSICIANS

**First Aid Procedure:** Caution — never give fluids or induce vomiting if patient is unconscious or having convulsions.

**Eyes:** Irrigation of the eyes immediately for at least 5 minutes is a good safety practice. Contact Lenses: Must be removed to ensure thorough flushing. Contact lenses in a possible chemical exposure area is not good practice! Imbibed Beads products should be treated as the fluid imbibed.

**Digestion:** Consult medical authority. Again if imbibed, treat for the fluid imbibed.

## Section 7 — SPECIAL HANDLING INFORMATION FOR UNIMBIBED BEADS Only

**Ventilation** Good room ventilation is usually adequate for most operations.

**Respiratory Protection:** None normally needed. Use dust respirator for comfort if needed.

**Protective Clothing:** None required.

**Eye Protection:** Safety glasses are a minimum protection. In any dusty area — coverall goggles are desirable.

**Work Practices:** Keep floor clean and dry by sweeping or vacuuming. Loose beads will cause a slipping hazard on a hard surface.

**Special Note:** If these bead products have imbibed fluid the special handling used should be for the fluid and not the beads.

**Storage:** Keep in closed containers. Protect from physical damage. Store in a cool, dry, ventilated area away from heat, moisture and oxidizers.

## Section 8 — SPECIAL PRECAUTION AND ADDITIONAL INFORMATION

**Handling and Storage:** Practice reasonable care and caution. Loose beads from units will cause slippery conditions on hard surfaces.

**WARNING:** Imbibed Beads Product will not change the basic properties of the fluid imbibed — except mobility. If the fluid is toxic — the imbibed units should be considered toxic. If the fluid is flammable — the imbibed units should be considered flammable. Exposure of the fabric of these units to sunlight will cause the physical properties of the fabric to degrade. Long term exposure to sunlight is not desirable. NOTE: The grommets in these products are to simplify the placement of these bead products. Grommets are not to be used to string units together (as in a boom). Mini Boom grommets are designed to be used in conjunction with tensile members, such as rope or cable.

**AQUATIC LIFE:** No known apparent hazard prior to imbibition.

**Additional Information:** Imbibitive Technologies America Inc. makes no representations or warranties, either expressed or implied of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Imbibitive Technologies America Inc. will not be responsible for damages resulting from use or reliance upon this information.

## TRUE ABSORBENT FOR ORGANIC CHEMICALS

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MSDS prepared by Imbibitive Technologies Research. We solicit your comments on how this MSDS could be made more complete or correct.

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