

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Name:

IMBIBER BEADS® Absorbent Products -Blended with Polyolefin Wick and / or Sand

- IMBS505000- Imbiber Beads®/ Sand Blend- Bulk product (25 lb./cubitainer)
- IMBSW2142 Mil Blankets (21"x42") A 3x6 configuration of packets(7"x7") of polyolefin non-woven fabric containing Imbiber Beads® and Polyolefin Wick & Sand
- IMBSW0009 Military Boom (9'x4.5"dia) A boom of 100% polyester fabric containing Imbiber Beads® /polyolefin wick/sand*.

(see below - section 2 - and Sand MSDS for exact information on ingredients)

Supplier: IMBITITIVE TECHNOLOGIES AMERICA, INC.
1623 MILITARY ROAD, # 1011
NIAGARA FALLS, NY, USA
14304

IMBITITIVE TECHNOLOGIES CANADA, INC.
1131 Niagara Street, Unit 2
Welland, ON, Canada
L3B 5N5

PH: 1-888-843-2323 (1-905-735-2323)
FAX: 1-877-439-2323

2. COMPOSITION INFORMATION ON INGREDIENTS

Identification of the preparation: Active Ingredient-Alkylstyrene Copolymer
Other Ingredient-1% Kaolin Clay to Retard Static
Polyolefin wick and silica sand.
(solvent swell able-water insoluble)

Physical Solid Polymer spheres-125-420 microns in size .

3. HAZARDS IDENTIFICATION

Loose IMBIBER BEADS® will cause slippery conditions on hard surfaces. IMBIBER BEADS® will not change the basic properties of the fluid imbibed except mobility. If the fluid is toxic-the activated IMBIBER BEADS® should be considered toxic. If the fluid is flammable-the activated IMBIBER BEADS® should be considered flammable. No known apparent hazard prior to imbibition. **DO NOT USE WITH OXIDIZERS.**

Hydrofluoric Acid will react with silica sand* to give SiF4(Silicon TetraFluoride) vapor.

Silica sand (play sand) contains an amount of crystalline silica (CS) which is considered a hazard by inhalation. IARC has classified inhalation of CS as carcinogenic for humans (groups) CS is listed by NTP as a substance which may reasonably be anticipated to be a carcinogenic. Inhalation of CS is also a known cause of silicosis, a non cancerous lung disease.

4. FIRST AID MEASURES

Inhalation : Treat as a fine particulate material. Use dust mask for comfort (see sec.8)
Treatment for the activated IMBIBER BEADS® should be the same as for the fluid prior to imbibition

Skin Contact: No known hazards which require special first aid measures.
Treatment for the activated IMBIBER BEADS® should be the same as for the fluid prior to imbibition

Eye Contact: Rinse thoroughly and completely with water, also under the eyelids.
In case of persistent eye irritation, consult a physician.
Treatment for the activated IMBIBER BEADS® should be the same as for the fluid prior to imbibition

Ingestion : The product is not considered toxic based on studies on laboratory animals.
Treatment for the activated IMBIBER BEADS® should be the same as for the fluid prior to imbibition. Consult a physician.

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5. FIRE FIGHTING MEASURES

- Suitable Extinguishing Media:** IMBIBER BEADS® are combustible. Use water, water spray, foam, carbon dioxide(CO2), or dry powder. (Bicarbonate type extinguisher)
- Special Fire-Fighting precautions:** The IMBIBER BEADS® make hard surfaces extremely slippery. Activated IMBIBER BEADS® should be handled the same as for the fluid prior
- Protective Equipment for Firefighters:** No special protective measures against fire required (slipping hazard) Activated IMBIBER BEADS® should be handles the same as for the fluid prior to imbibition.
- Personal Precautions:** No special precautions required (prior to use).
- Environmental Precautions** IMBIBER BEADS® are water insoluble. When the Beads are used, the spill procedure should be the same as for the fluid prior to imbibition.
- Methods for Cleaning Up (Prior to Use):** Clean up promptly by scoop or vacuum. Store in suitable and closed containers.

NOTE : If the IMBIBER BEADS® have imbibed/absorbed the fluid the treatment and handling used should be for the fluid and not the IMBIBER BEADS®.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No special precautions required (prior to use).
- Environmental Precautions** IMBIBER BEADS® Products are water insoluble. When the IMBIBER BEADS® Products are used, the procedure should be the same as for the fluid prior to imbibition.
- Methods for Cleaning Up (Prior to Use):** Clean up promptly by scoop or vacuum. Store in suitable and closed containers.

NOTE : If the IMBIBER BEADS® have imbibed/absorbed the fluid the treatment and handling used should be for the fluid and not the IMBIBER BEADS®.

7. HANDLING AND STORAGE

- Handling :** No special handling procedures required. However, if the IMBIBER BEADS® have imbibed fluid then special handling should be for the fluid.
- Storage:** Keep in a closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from heat, moisture, and oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering Controls:** Good room ventilation is usually adequate for most operations. Keep floor clean. and dry by sweeping or vacuuming. Loose IMBIBER BEADS® will cause a slipping hazard on a hard surface
- Personal Protection Equipment:**
- **Respiratory Protection** **Prior to Use**
None normally needed. Use dust respirator for comfort if needed.
 - **Hand Protection**
None normally needed.
 - **Eye Protection**
Safety glasses are a minimum protection. In any dusty area-coverall goggles are desirable.
 - **Skin Protection**
No special protective clothing required.
 - **Hygiene Measures:**
Wash hands before breaks and at the end of work day. Handle in accordance with good industrial hygiene and safety practise.

NOTE : If the IMBIBER BEADS® have imbibed/absorbed the fluid the treatment and handling used should be for the fluid and not the IMBIBER BEADS®.

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9. PHYSICAL AND CHEMICAL PROPERTIES

	Imbiber Beads®	Wick	Sand (see attached MSDS)
Form:	Solid Spheres	Flakes	granules
Colour:	Opaque-Tan	White	Opaque-Tan
Odour:	Slight	N/A	N/A
Melting Point (C):	Not applicable	N/A	N/A
Flash Point :	Above 450 F (235 C)	N/A	N/A
Autoignition Temperature:	Not applicable	N/A	N/A
Vapour Pressure:	Not applicable	N/A	N/A
Bulk Density:	40lbs/cu ft	5lbs/cu ft	90lbs/cu ft
Water Solubility:	Insoluble	Insoluble	Insoluble
Viscosity (mPe S):	Not applicable	N/A	N/A

10. STABILITY AND REACTIVITY

Stability:	Product is stable: already a polymer, therefore no hazardous polymerization can occur.
Shelf Life:	Indefinite
Hazardous Decomposition products: (Prior to Use)	Combustion will form CO2 and H2O. The plastic component of these products will emit black smoke on burning and unless excess oxygen is available carbon monoxide is probable.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	
-Oral:	:LD50oral/rat>5000mg/kg
-Dermal:	:LD50dermal/rabbit>2000mg/kg
Irritation	
-Skin:	Not irritating.
-eyes:	Moderate eye irritation due to effects all powders have on conjunctivae.
Sensitization	Not sensitizing .

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Ecological injuries are not known or expected under normal use. Aquatic toxicity is unlikely as IMBIBER BEADS® are water insoluble.
Bioaccumulation:	The product is a particulate polymer and should not undergo biological degradation. Jan-04
Persistence/Degradability:	Should not be biodegradable due to its high molecular weight.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products	Dispose of in accordance with federal, state, provincial, and local regulations.
Containment Packaging :	Can be landfilled, incinerated, when in compliance with regulations.

14. TRANSPORT INFORMATION

Not Regulated By Dpt. Of Transportation	(DOT) Classification - Plastic pellets or granules Flakes Sand Granules
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15. REGULATORY INFORMATION

RCRA Status: Not a hazardous waste.

Hazardous Waste number: Not Applicable.

Reportable quantity (40 CFR 302): Not Applicable.

Threshold Planning Quantity(40 CFR 335): Not Applicable.

California Proposition 65 information: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. Imbibiter Beads® contains no chemicals known to the State of California to cause cancer

Sand product see MSDS.(if not attached, pls call / fax for copy)
ph:1-888-843-2323 fx: 1-877-439-2323

HMIS & NFPA Ratings	HMIS	NFPA
Health:	1	1
Flammability:	0	0
Reactivity:	1	1
Personal Protection. Special:	B	

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

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