HydroNest™

MATERIAL SAFETY DATA SHEET (MSDS)

Spill Containment System

Prepared in accordance with WHMIS 2015 / GHS guidelines

SECTION 1 — PRODUCT & COMPANY IDENTIFICATION

Product Name	HydroNest™ Spill Containment System
Product Type	Finished article — multi-layer spill containment pad
Intended Use	Containment and absorption of hydrocarbon-based spills and toxic fluid releases on job sites
Manufacturer	BMP Supplies Inc.
Address	321 18 St SE, Calgary, AB T2E 6J5, Canada
Emergency Contact	1.855.422.0066
Email	hydronest@bmpsupplies.com
Website	www.hydro-nest.com
Revision Date	March 2026

SECTION 2 — HAZARD IDENTIFICATION

GHS/WHMIS Classification: Not classified as a hazardous product under WHMIS 2015 or GHS when used as intended.

- Product is a finished article — no hazardous substances released under normal use conditions
- No known acute or chronic health hazards associated with normal handling and deployment
- Foam component may generate minor dust if physically cut or shredded — use in well-ventilated area
- Sorbent fiber layer: fine non-irritating dust may occur when handling loose/cut fiber; not applicable to intact finished product
- Spent product containing absorbed hazardous materials must be handled and disposed of as hazardous waste

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	Material Description	CAS No.	Hazardous?
Outer Mesh	PVC-coated woven polyester scrim	N/A (article)	No
Foam Wall	Reticulated polyurethane foam (VPF, water-blown)	N/A (article)	No
Sorbent Layer	Synthetic polymer fiber geotextile	N/A (article)	No
Base Barrier	Solution-dyed polyester with PU backing	N/A (article)	No
Antimicrobial	Surface-bonded antimicrobial additive on mesh	Proprietary	No

SECTION 4 — FIRST AID MEASURES

- Inhalation: If dust generated from cutting/handling causes discomfort, move to fresh air. Seek medical attention if symptoms persist.
- Skin Contact: No known hazard under normal use. Wash with soap and water after handling.
- Eye Contact: If dust enters eyes, flush with clean water for 15 minutes. Seek medical attention if irritation persists.
- Ingestion: Not intended for ingestion. If ingested, seek medical attention immediately.
- Note to Physician: No specific antidote. Treat symptomatically.

SECTION 5 — FIRE FIGHTING MEASURES

Flash Point	Sorbent fiber layer: 840°–1,040°F (449°–560°C); Foam: combustible solid
Flammable Limits	Sorbent layer: LEL 680°F / UEL 750°F
Extinguishing Media	Water spray, ABC dry chemical, CO_2, foam
Fire Ratings	Outer mesh, foam wall & base barrier all fire retardant (CALTB117, ASTM E84, NFPA 260, MVSS-302)
Special Procedures	Use SCBA when fighting fires in enclosed areas. Smoke and combustion gases may be harmful.
Unusual Hazards	Protein-type air foam may be ineffective on larger foam fires — risk of re-ignition due to insufficient cooling.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

- Unused product does not present a spill hazard.
- Spent product saturated with hazardous fluids: treat recovered material as hazardous waste per applicable regulations.
- Use common industrial practices for cleanup of used/saturated product.
- Prevent absorbed hydrocarbons from entering waterways, storm drains, or soil.
- Spent units containing petroleum hydrocarbons have been shown to qualify for standard landfill disposal under TTLC waste profiling (verify with local authority).

SECTION 7 — HANDLING & STORAGE

- Store in a cool, dry location away from direct flame or ignition sources.
- Avoid generating dust when cutting or trimming the product.
- No special ventilation required for intact finished product.
- Wash hands after handling as good hygiene practice.
- Keep away from children when not in use.
- Inspect product before use; do not use damaged or compromised units.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection	Not required for normal use. Common dust mask recommended if cutting/trimming.
Ventilation	No special ventilation required for intact product.
Protective Gloves	May be worn but not required for normal use.
Eye Protection	Safety glasses recommended when cutting or handling.
Skin Protection	No special clothing required.
Occupational Limits	No established exposure limits for this finished article.

SECTION 9 — PHYSICAL & CHEMICAL PROPERTIES

Appearance	Multi-layer pad with dark mesh outer cover; gray/blue-gray interior sorbent layer
Odour	Odourless (unused product)
Physical State	Solid (finished article)
Solubility in Water	Not soluble
Boiling Point	N/A
Vapour Pressure	N/A
Vapour Density	N/A
Specific Gravity	N/A
pH	N/A
Melting Point (sorbent layer)	249°–299°C (480°–570°F)
Melt Point (mesh/base)	157°C (315°F)
Evaporation Rate	N/A

SECTION 10 — STABILITY & REACTIVITY

Chemical Stability	Stable under normal conditions of use and storage
Conditions to Avoid	Extreme heat, open flame, temperatures exceeding material melting points
Incompatibility	None known for intact finished article
Hazardous Decomposition	None under normal use; combustion may produce CO, CO_2, and polymer-specific gases
Hazardous Polymerization	Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity	No known acute toxicity for intact finished article
Carcinogenicity	N/A — no known carcinogenic components
NTP / IARC Listed	No
OSHA Regulated	No
Routes of Entry	Inhalation (minor dust only during cutting); Skin: none; Ingestion: N/A
Health Hazards	Fine non-irritating dust may occur when handling cut fiber layers. Persons with respiratory conditions may wish to use a dust mask.
Signs of Exposure	None under normal use conditions
TCLP Result	All VOC, RCRA metal, pesticide, herbicide and semivolatile parameters non-detectable or well below maximum contaminant levels

SECTION 12 — ECOLOGICAL INFORMATION

- Unused product does not contribute to environmental pollution — confirmed by full TCLP analytical suite (NELAP-accredited laboratory).
- Sorbent layer: no VOCs, RCRA metals, chlorinated pesticides, herbicides, or semivolatile organics above detection limits.
- Outer mesh antimicrobial treatment is surface-bonded — non-toxic; will not leach into the environment.
- Base barrier uses a fluorine-free finish — zero PFAS or CFC release over product lifetime.
- Canadian foam: PBDE-free and CFC-free; VPF process reduces CO_2 and energy vs. conventional foam manufacturing.
- Base polyester fabric is 99% recyclable via mechanical and chemical processes.

SECTION 13 — DISPOSAL CONSIDERATIONS

- Unused product: no special precautions required; dispose via standard municipal or industrial solid waste channels.
- Used/saturated product: once the sorbent layer has absorbed listed hazardous materials (petroleum hydrocarbons, used oil, diesel, hydraulic fluid, or other regulated fluids), the spent HydroNest unit must be managed as hazardous waste.
- Canada: Subject to provincial hazardous waste regulations (e.g. Alberta EPEA, BC Environmental Management Act). Must be manifested, stored in approved secondary containment, and transported by a licensed hazardous waste carrier to an approved TSDF.
- USA: Spent sorbents that have absorbed used oil are regulated under 40 CFR Part 279 and must go to a licensed used oil recycler or approved facility. If the absorbed fluid is a RCRA-listed hazardous waste (F, K, P, or U list), the spent unit inherits that classification under 40 CFR Parts 260–270.
- TCLP Note: Unused sorbent layer passes all TCLP thresholds. Once saturated, a site-specific TCLP of the spent material is recommended to confirm disposal classification.
- Do not dispose of saturated product in regular solid waste streams without confirming waste classification with your local regulatory authority.
- Do not incinerate without proper emissions controls and applicable permits.
- Contact a licensed hazardous waste disposal contractor for manifesting, transport, and disposal of spent units containing regulated fluids.

SECTION 14 — TRANSPORT INFORMATION

UN Number	Not regulated — not classified as dangerous goods (unused product)
Shipping Name	HydroNest Spill Containment System (finished article)
Transport Hazard Class	None
Packing Group	N/A
Marine Pollutant	No
Special Precautions	Spent product containing absorbed hazardous materials may be subject to TDG/DOT dangerous goods regulations — consult applicable regulations prior to transport.

SECTION 15 — REGULATORY INFORMATION

- WHMIS 2015 (Canada): Not classified as a controlled product in unused condition.
- Canadian Environmental Protection Act (CEPA): No DSL/NDSL concerns identified for finished article.
- Canadian Clean Air Act: Canadian foam manufacturing process exceeds regulatory requirements.
- REACH (EU): Product is a finished article; no SVHC identified above threshold concentrations.
- US TSCA: Component materials are consistent with TSCA inventory requirements.
- TCLP: Sorbent layer passes full EPA TCLP suite — all parameters below maximum contaminant levels.

SECTION 16 — OTHER INFORMATION

Prepared By	BMP Supplies Inc. — Product & Regulatory Affairs
Revision Date	March 2026
Supersedes	N/A — Initial issue
Disclaimer	Information provided is believed to be accurate and reliable. BMP Supplies Inc. makes no guarantee of results and assumes no liability in connection with the use of this information. User is responsible for compliance with all applicable regulations.

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