WORKSHEET – Textile/Wound Dressing Decision Process

Product Name: _____

Document any data/information obtained and the source. Document your rationale.

What is the material/product made of?

1. **NEED**. Is there a more suitable alternative? What is the rationale for using this product? If the goal can be achieved with another product that has already been assessed, this process may not be necessary.

Items 2-4 are primary fire safety concerns.

2. **HEAT**. Can this product produce heat in the hyperbaric chamber? An exothermic reaction is possible if the product is not stable in the presence of oxygen. You may need to contact the product manufacturer to determine if the product is compatible with oxygen.

3. **STATIC**. Can this product contribute to more static electricity? Synthetic materials tend to generate more static charge. Fiberglass can store a large static charge. You will not be able to measure static production, but extra grounding measures can mitigate static buildup.

4. **FUEL**. Does this product have a low flashpoint? Look for SDS information. Flashpoint may not be available. Autoignition temperature (AIT) is a surrogate for this information. AIT will drop a various amount in oxygen (more than flashpoint does).

Item 5 is a secondary fire safety concern. Fuel load does not cause ignition. There is no specified limit on total fuel load.

5. Will this product contribute too much fuel to the chamber? If combustion occurs, more fuel inside the chamber will result in a greater pressure increase. You should avoid excessive amounts of fuel in the chamber.

6. Is there any adverse affect to the patient or product inside the chamber? There are various concerns, including: trapped gas spaces, medication interactions, lint from fabrics, etc.

7. Recommendation: ☐ add to No-Go List
   ☐ add to Go List List any caveats or mitigating steps necessary to safety use this product:

Approvals:

Hyperbaric Safety Director		Hyperbaric Medical Director	
Signature	Date	Signature	Date
Printed Name		Printed Name	