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Statement on Disposal of Scrap Aerogel Blanket

Aspen Aerogels insulation blanket is composed primarily of synthetic amorphous silica impregnated onto a fabric material. The final product does not contain any liquid material. Scrap aerogel blanket can be disposed in landfills that are approved to accept industrial waste. Scrap aerogel blankets will generate dust during landfill operations. Industrial waste landfills should be informed of the potential for dust generation during the waste approval process. Scrap materials from Aspen's Manufacturing operations are disposed in a licensed, industrial landfill in Massachusetts.

To meet customer demands, Aspen Aerogels may use a variety of aerogel additives and fabric substrate materials. These additives may include materials such as carbon black, titanium dioxide and aluminum oxide. Aerogel blankets do not contain any materials that are United States Environmental Protection Agency's (EPA) listed wastes [United States Code of Federal Regulations (CFR) 40 Part 261, Subpart D] and they do not meet any of the characteristics of a US EPA hazardous waste [40 CFR Part 40, Subpart C] including:

- Characteristic of Ignitibility (Flash Point <math><60^{\circ}\text{C}</math>)
- Characteristic of Corrosivity ($\text{pH}<2$ or $\text{pH}>12.5$)
- Characteristic of Reactivity (unstable under normal conditions)
- Toxicity Characteristic

None of the following metals listed under US EPA's list of toxic waste [US CFR 40 Part 261.24] are added to aerogel insulation:

- | | |
|------------|------------|
| • Arsenic | • Lead |
| • Barium | • Mercury |
| • Cadmium | • Selenium |
| • Chromium | • Silver |

To check for trace metal contamination, Aspen had a representative sample of our aerogel analyzed for cadmium, chromium, lead and mercury by a certified testing laboratory. No metals were detected above the reporting limit for the test methods.