



September 30, 2020

To:
CC:

RE: SDS Guidance

The purpose of this documentation is to aid customers in the proper disposal of radiation protective materials utilized in the manufacturing of Burlington Medical products. As some material can be harmful to the environment if not properly disposed of; it's important to note that some states may have different regulations and requirements than others, so you will need to check your local disposal regulations prior to disposal. The below radiation protective materials are currently utilized in our manufacturing process.

- 1) Lead
- 2) Burlite-Admix
- 3) Envirolite-Lead Free

Products containing **Lead** cannot be disposed of as municipal solid waste and must be disposed of as hazardous waste or recycled. According to the EPA, the lead contained in X-ray lead aprons may be exempt from hazardous waste regulations if they are recycled. Dispose of contents/container in accordance with local/regional/national/international regulations.

Burlite is a lightweight, flexible and recyclable "light-lead" x-radiation protection material, using a mixture of four attenuating elements, antimony, lead, tungsten and barium. The material is not "cross-linked" (or "cured") and is therefore fully recyclable, and thermally re-processable. However, due to lead content, it cannot be municipally land-filled. The preferred options for disposal are (1) recycling, (2) incineration with energy recovery and with metal fume scrubbing. Landfilling may be prohibited due to toxic lead leachate levels. Lead is listed under RCRA /EPA leachate controls, and TLCP tests indicate excess lead levels. Treatment, storage, transportation and disposal must be in accordance with applicable federal, state and local regulations.

Envirolite is a lead-free, lightweight, flexible and recyclable x-radiation protection material, using a mixture of two attenuating elements, antimony and bismuth. The lead-free material is not "cross-linked" (or "cured") and is therefore fully recyclable, and thermally re-processable, or may be disposed of as a non-hazardous, non-toxic waste, in municipal landfills. Preferred options for disposal are (1) recycling, (2) landfill – (no components listed under EPA TLCP RCRA), (3) incineration with energy recovery. Treatment, storage, transportation and disposal must be in accordance with applicable federal, state and local regulations.

Burlington Medical is committed to making the disposal of radiation protection garments easy for you while continuing to adopt eco-friendly business practices. Therefore, if you would like Burlington Medical to dispose of your aprons please contact our Customer Care Team or your local Account Manager, to request pricing and shipping information for a disposal. Disposals should not be sent to Burlington Medical without shipping authorization.

Please let me know if you have any further questions and do not hesitate to reach out.

Regards,

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