

Decision Tree: Bonding & Grounding for Flammable Liquids

1. Identify the Liquid:

- If flashpoint $<100^{\circ}\text{F}$ \rightarrow Continue to Step 2;
- If $>100^{\circ}\text{F}$ and will not be heated above its flashpoint, Bonding & Grounding is not required.

2. Identify Source Container Size:

- ≤ 4 L: Bonding & Grounding is **not required**; perform transfer in certified chemical fume hood.
- >4 –20 L: Bonding & Grounding **is required**; use certified fume hood or ventilated lab to perform transfer.
- 20 L–55 gal: Bonding & Grounding **is required**; perform in flammable-liquids rated room or outdoors.

3. Determine Container Material:

- Metal/conductive: Standard Bonding & Grounding applies.
- Plastic/glass: Cannot bond walls as is; Must use a grounded metal fill tube/funnel or grounding rod reaching liquid.

4. Setup Steps:

- 1) Bond dispensing container to the receiving container.
- 2) Then ground system to a verified ground.
- 3) Ensure clean metal-to-metal contact.
- 4) Discharge personal static before handling.
- 5) Perform transfer

