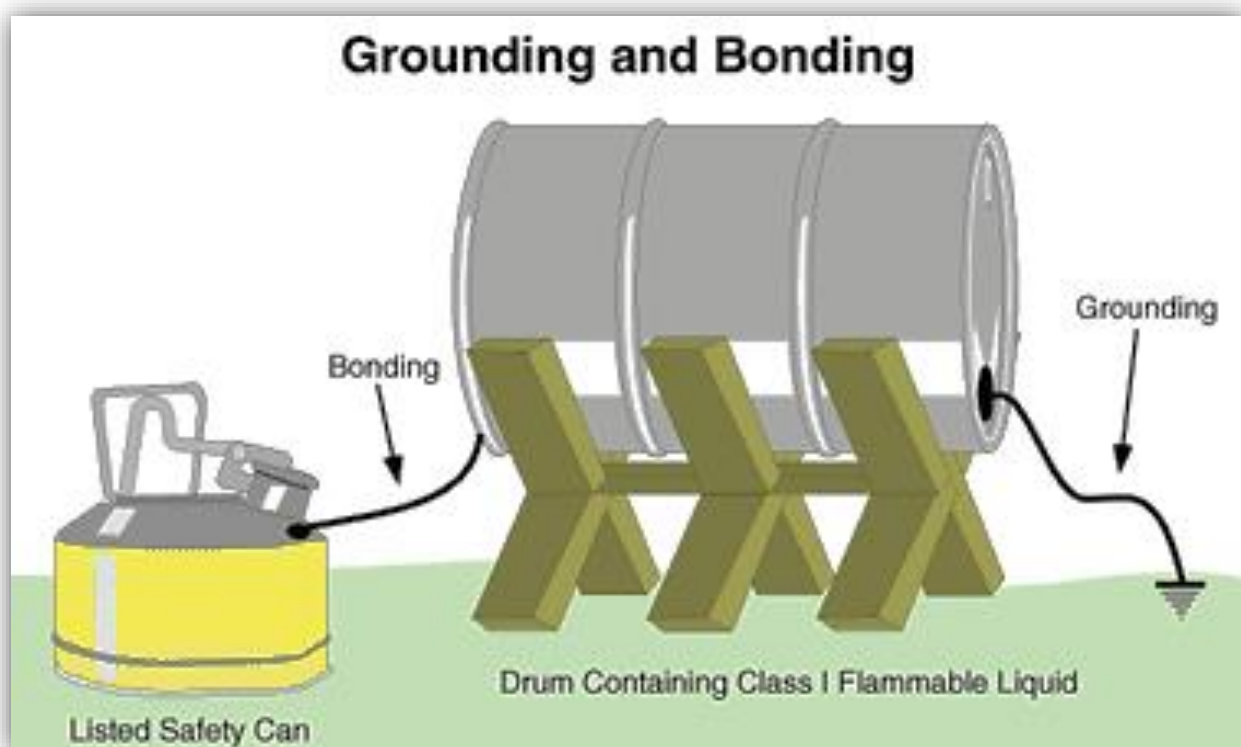


⚠️ PREVENT ⚠️ STATIC SPARK DISCHARGE ⚡

A static discharge can occur when an electrical charge on the surfaces of two materials, one with a positive charge and the other with a negative charge, that make contact and are separated. A static discharge can occur between two solids, a solid and a liquid, or between two non-mixable liquids.

The heat released from a static spark discharge can create enough energy to start a fire to the hydrocarbon-based fluids.

Safely discharging the accumulation of static electricity requires bonding and grounding of conductive equipment with the potential to generate static electricity.



Bonding is used to minimize the potential difference between conductive objects. Sparking between two conducting bodies can be prevented by an electrical bond attached to both bodies.

Grounding equalizes the potential difference between the objects and the earth. The conductive path to the earth discharges the built-up static electricity safely to the ground.

Ref. OISD-RP-110



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