

# MANUFACTURING SAFETY ALERT

Ask Yourself  
“Could it happen here?”

## DESCRIPTION OF EVENT

### AEROSOL BATTERY TERMINAL PROTECTOR & FIRE

A service person was performing routine battery maintenance using an aerosol battery terminal protector on a haul truck's batteries. While spraying the aerosol the spray can contacted the positively charged busbar and the battery box lid strut, immediately causing a short circuit.

The arc created a hole in the bottom of the aerosol can and the contents of the can burst from the hole, igniting, and producing a fireball. The service person suffered first and second degree burns to their right hand, arm and face. Nitrile barrier gloves were being worn and the heat from the flames caused the glove to melt to the hand, creating complications during treatment.

### SUGGESTED ACTIONS

- Consider performing risk assessments for non-routine tasks and when a task procedure changes.
- Encourage workers to stop and take a moment before conducting work to analyze the task and to identify hazards – both evident and subtle. Identified hazards then need to be controlled.



## IMPORTANT TAKE AWAY

When working around live electrical equipment stop and assess the potential for arc flashes.

**MAG**  
Manufacturing Advisory Group



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