

Battery Charging Stations

SECTION: 5.5

PROCEDURE: BATTERY CHARGING STATIONS

ISSUED:

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BATTERY CHARCHING STATIONS

- 1) Charging installations for battery powered industrial equipment shall be located 1.5m (5ft) from combustible materials.
- 2) Any dust accumulation on the battery charger should be blown off or wiped clean.
- 3) Battery charging installations shall be located in areas designated for that purpose. Facilities shall be provided for flushing and neutralizing spilled electrolyte.
- 4) Charging installations for battery powered industrial equipment shall have a 10-BC fire extinguisher.
- 5) Floors shall be of acid resistant construction or be protected from acid accumulations.
- 6) Eyewash facilities shall be provided within 25 feet of the working area for emergency use.
- 7) Face shields, aprons, safety shoes and rubber gloves shall be worn by employees handling acids or batteries.
- 8) Only trained and authorized personnel shall change, charge service or handle batteries.
- 9) Adequate means shall be made for sufficient diffusion and ventilation of the gases from the battery to prevent the accumulation of an explosive mixture. Based on the desired dilution of any hydrogen produced, the recommended ventilation rate can be of charging current. Under circumstances where only the size of the room is available, a general convection ventilation rate could be estimated at $0.6\text{m}^3/\text{min}$ for each square metre of floor area of the room.
- 10) Battery cleaning facilities shall be provided to clean batteries and to prevent acid and residue build-up.

If you notice that any of the specifications are not apparent within the battery charging facility, please notify the materials coordinator or your safety committee member.