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Safe Use & Storage of Lithium - Ion Batteries SAFETY ALERT (page 1 of 2)

Lithium-ion batteries are widely used in many portable devices including floor cleaners, handheld cleaning equipment and power tools, due to their high energy density and efficiency. However, improper use or storage, particularly of removable rechargeable batteries, can lead to overheating, fire or explosion. Follow these guidelines to ensure everyone's safety:



Safety Task Card: Anyone handling or using such batteries must be briefed in the STC GE 33 Safe use and storage of lithium-ion batteries.

Read the Manual: Always follow the manufacturer's instructions for charging and using the battery and related equipment.

Avoid Overcharging: Do not leave batteries charging unattended for extended periods. Use a charger specifically designed for your battery type.

Temperature Control: Operate & charge batteries within the recommended temp. range. Avoid exposing them to extreme heat or cold.

Inspect Regularly: Check batteries for any signs of damage, swelling, or leakage. Do not use damaged, dropped or faulty batteries.

Proper Handling: You must avoid dropping, striking or puncturing batteries. If a battery is dropped **SPEAK OUT**, it may be damaged internally which can produce a fire hazard.

Damaged batteries: Must be removed from service and placed in a metal container with sand or in a flammable proof storage cabinet or in a flameproof bag, where possible external to the building. If by exception these items are unavailable, contact your line manager and place on the ground in a secure area outside of the building away from people and combustible materials.

Disposal: Contact the supplier to arrange collection and disposal as soon as is possible.

MORE INFORMATION: STC GE33 SAFE USE AND STORAGE OF LITHIUM-ION BATTERIES



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Safe Use & Storage of Lithium - Ion Batteries SAFETY ALERT (page 2 of 2)

BE MINDFUL and follow Storage Guidelines:

Cool, Dry Place: Store batteries in a cool, dry place away from direct sunlight and heat sources.

Partial Charge: Store batteries at around 50% charge if they will not be used for an extended period.

Separate Storage: Keep batteries away from metal objects that could cause short circuits. Use protective cases or covers.

Avoid Moisture: Ensure batteries are kept away from water and high humidity environments.

Regular Checks: Periodically check stored batteries for any signs of damage or degradation.

Best Practice is to obtain a Lithium-ion battery fireproof storage bag to store batteries in, to give an extra level of protection. These are currently being sourced to be available via Compass supply chain.

Emergency Procedures:

Fire: In case of a battery fire, use a Class D fire extinguisher or sand to extinguish it. They can burn for 60+mins so raise the alarm/ring fire service.

Leakage: If a battery leaks, avoid contact with any liquid. Use protective gloves and store as advised on the previous page and contact supplier to arrange collection and disposal as soon as is possible.

GET INVOLVED wherever we use these batteries and follow these guidelines. You can help ensure the safe use and storage of Li-ion batteries, protecting yourself and others from potential harm. These guidelines are explained further in the Safety Task Card STC GE 33.

MORE INFORMATION: STC GE33 SAFE USE AND STORAGE OF LITHIUM-ION BATTERIES

Looking for more information:

- See manufacturer's guidance on use, storage, charging and disposal
- Contact the battery/equipment supplier for guidance on collection and disposal