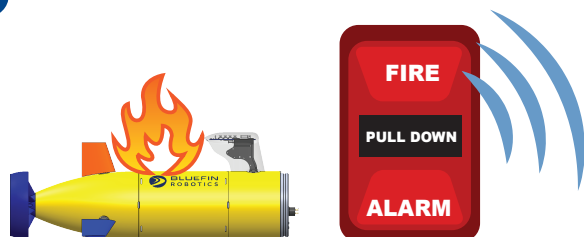
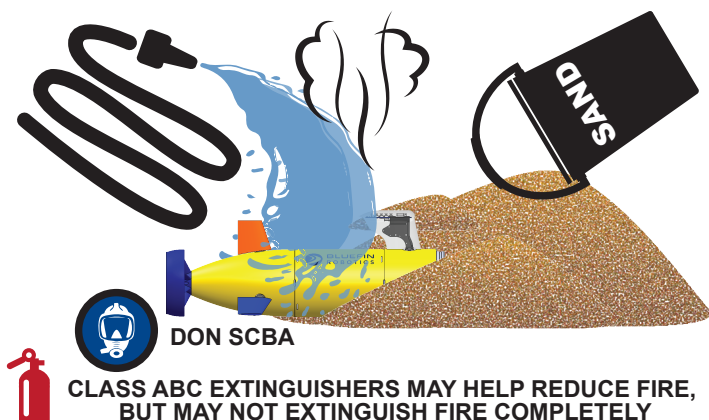


# 1 SOUND ALARM



# 2 IF SAFE, EXTINGUISH WITH WATER, LITH-X™, OR SAND



# 3 VENTILATE



## BLUEFIN SANDSHARK™ BATTERY SAFETY CONSIDERATIONS

Before operating the Bluefin Sandshark™ Battery, read all warnings provided in the manual.

Only personnel certified in shipping hazardous materials are authorized to pack and ship batteries.

These conditions should be avoided:

1. Do not expose the batteries inside the pressure vessel directly to water
2. Do not attempt to overcharge or overdischarge the battery
3. Do not expose the battery to an ambient temperature of more than 60°C (140°F)
4. Do not discharge the battery when the ambient temperature is less than -20°C (-4°F) or greater than 55°C (131°F).
5. Do not charge the battery when the ambient temperature is less than 0°C (32°F) or greater than 45°C (113°F).

These thermal conditions may damage the AUV and apply only to the battery cell chemistry.

In the event of fire where lithium ion batteries are present, call 911 or local emergency services and flood the area with water where it is safe to do so. Virtually all fires involving lithium ion batteries can be controlled with water. However, when water is used hydrogen gas may be released, which can form an explosive mixture with air. Where water is not available, LITH-X™ (powdered graphite) or copper powder fire extinguishers, sand, dry ground dolomite or soda ash may also be used as smothering agents.

Fire fighting equipment shall be available and prepositioned before commencing battery charging operations and shall be equivalent to or better than the following:

- Sprinkler protected space with a minimum of seven (7) gallons per minute flow rate, or
- A standard shipboard firehose

Do not drop the battery. If the battery is dropped, it should be thoroughly inspected for any sign of damage. Contact [Bluefin\\_Support@gd-ms.com](mailto:Bluefin_Support@gd-ms.com) before moving, using, or shipping a damaged battery.

If severe mechanical damage occurs, avoid shorting out the lithium cells or exposing them to water. Either of these conditions may result in a fire.

**AS PER CELL MANUFACTURER MSDS**

**EXPORT CONTROLLED – EAR**

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