STIHL

Safety Data Sheet

Revised: 10/19/2020

Section 1. Product and Company Identification

Product:	Lithium Ion batteries
Supplier:	
Address:	
Telephone:	
Emergency#/Assistance:	1-800-535-5053 (Infotrac 84388)
	+1-352-323-3500 (countries outside the US and Canada)

Section 2. Hazards Identification

Warning: the batteries should not be short-circuited, punctured, incinerated, crushed, immersed in water, over-discharged, or exposed to temperatures above the declared range. Risk of fire or explosion may occur in the above condition of abuse. In the event packages are damaged, special procedures (see Section 7) must be followed.

Damaged batteries can leak. Contact with liquid inside a battery may be irritating to skin, eyes, and mucous membranes.

Liquid electrolyte inside a battery may vent, ignite and produce sparks when subjected to high temperatures (greater than 150 degrees C) or when damaged or abused.

- Fires may burn rapidly with flare-burning effect.
- Fires may ignite other batteries located nearby.
- Fire will produce irritating, corrosive, and/or toxic gases.
- Burning batteries may produce toxic hydrogen fluoride gas.
- Fumes may cause dizziness or asphyxiation.

Section 3. Composition/Information on Ingredients

Section 4. First Aid Measures

Contact with liquid inside a battery may be irritating to skin, eyes, and mucous membranes.
Instructions in case of contact or exposure to liquid inside battery:

- Eye contact: Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.
- Skin contact: Immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Get medical attention immediately.
- Inhalation: Remove to fresh air. Get medical attention immediately.
- Ingestion: If swallowed, DO NOT induce vomiting. Get medical attention immediately.

Section 5. Fire Fighting Measures

Call 911. Then call the emergency response telephone number on this sheet.

In case of small fire:	Use dry chemical, CO_2, water or regular foam to extinguish fire.
In case of large fire:	Use water spray, fog or regular foam. If it can be done safely, Move undamaged containers away from the area around the fire.

Section 6. Accidental Release Measures

Wear personal protective equipment (see Section 8).
Keep unauthorized personnel away.
Eliminate all ignition sources (no smoking, flares, sparks, or flames) from immediate area.
Ventilate closed spaces before entering.
Do not touch or walk through spilled material.
Isolate the spill or leak for at least 75 feet in all directions (if a large spill, consider downwind evacuation for at least 330 feet). Stay upwind, uphill, and/or upstream of the spill.
Absorb liquid with inert material such as earth, sand, or vermiculite.
Place the leaking battery and contaminated material in a metal container.
Call the emergency response telephone number on this sheet for further assistance.

Section 7. Handling and Storage

Procedure for a damaged package: Handle with care; a dry outer package could still be leaking inside the package. Avoid contact with liquid inside a battery. Liquid inside the battery is flammable – keep away from ignition sources/open flames.

- Wear personal protective equipment.
- Open and remove all inner packages.
- Repack dry and undamaged inner packages in a suitable outer package.
- Open wet/damaged packages and remove the battery. Check the battery. If the battery is undamaged and not leaking, repack it in suitable inner and outer packages.
- If the battery is broken or leaking, DO NOT ship the battery. Call the emergency phone number listed on this sheet for assistance.

Protect a battery from direct sunlight, heat, sparks, or fire.

Section 8. Exposure Controls/Personal Protection

Call 911 for emergency medical services. Ensure medical personnel are aware of the material involved.

The following personal protective equipment should be used when handling damaged batteries:

- Protective gloves (resistant to caustic liquid)
- Protective goggles
- Caustic-resistant apron

For more information on personal protective equipment, call the emergency phone number on this sheet.

Section 9. Physical and Chemical Properties

Section 10. Stability and Reactivity

Stability:	The batteries are stable under normal operation and storage conditions.
Materials to avoid:	Water, strong acid or alkalis solutions, oxidizing agents
Conditions to avoid:	Short-circuiting, disassembly, over-discharging, and heating over the declared operation temperature range of the product. Do not dip a battery into liquids (risk of short circuit) or throw a battery into a fire (risk of explosion). Never use a broken or deformed battery.

Section 11. Toxicological Information

No toxicological impacts are expected under normal use conditions.

Section 12. Ecological Information

No ecological impacts expected under normal use conditions.

Section 13. Disposal Considerations

Do not dispose in fire or submerge in water.
These batteries contain materials capable of being recycled; recycling is encouraged over disposal.

Section 14. Transport Information

Section 15. Regulatory Information

Section 16. Other Information

Use a battery only for its intended purpose. Do not open, separate or drop a battery.