

Section 1 Identification.

Product name:

NOCO® Genius Boost Lithium-ion Jumpstarter

Product code:

GB500

Other means of identification: Not available.

Recommended use: Rechargeable lithium-ion battery jumpstarter

Nominal voltage: 11.1V

Rated capacity: 24000mAh

Watt hour (electric energy): 266Wh

Lithium Content: .03713

Manufacturer: The NOCO Company
30339 Diamond Parkway #102
Glenwillow, OH 44139

Emergency telephone number of the company: PERS (800) 633-8253 USA/CANADA
PERS (801) 629-0667 INTERNATIONAL

Information telephone number of the company: (800) 456-6626
Mon-Fri 8:00am to 5:00pm MST

Section 2 Hazards identification.

Classification: HMIS Ratings: Health: 0 Fire: 0 HMIS Reactivity: 0

This product is an "article" which is a sealed battery and as such is exempted from the requirements of the Hazard Communication Standard and does not require an SDS unless ruptured. The product is not considered dangerous as manufactured. The sealed lithium-ion battery is not hazardous in normal use. Do not disassemble, crush, heat about 60°C (140°F) or incinerate. Read Owner's Manual before use.

The chemicals are contained in a sealed enclosure. Risk of exposure only occurs if the product is mistreated, abused, subjected to extreme pressure deformation, high-temperature environment, overload, external short circuit, or disassembled; compromising the enclosure. In this case, risk of exposure to the electrolytes can occur. Contact with the internal components may cause irritation or severe burns. It is irritating to the eyes, respiratory system and skin. The electrode materials are only hazardous if the material is released by mechanical damaging of the cell, or if it is exposed to fire.

Section 3 Composition/information on ingredients.

Exposure to hazardous ingredients is not anticipated under normal product use. Risk of exposure occurs only if the product is mechanically, thermally, or electrically abused to the point of compromising the enclosure.

Chemical Name	Molecular Formula	CAS Number	Concentration %
Lithium Cobalt Oxide	LiCoO_2	12190-79-3	33.28
PVDF	$(\text{C}_2\text{H}_2\text{F}_2)_n$	7440-02-0	4.50
Aluminum	Al	7429-90-5	8.50
Graphite	C	7782-42-5	17.55
SBR	$\text{C}_{12}\text{H}_{14}$	9003-55-8	1.32
Carboxymethyl cellulose	$\text{C}_8\text{H}_{16}\text{O}_8$	9000-11-7	0.88
Copper	Cu	7440-50-8	11.93
Lithium Hexafluorophosphate	F_6LiP	21324-40-3	13.80
Polyethylene	$(\text{C}_2\text{H}_4)_n$	9002-88-4	7.02
Ethylene-Propylene-Diene Monomer (EPDM)		24937-16-4	1.22

Section 4 First aid measures.

General advice: First aid is only applicable in case of a product/cell rupture.

Ingestion: If swallowed do not induce vomiting. Seek medical attention. Ingestion of battery contents may cause mouth, throat, and intestinal burns and damage.

Inhalation: If irritation of nose or throat develops, move away from source of exposure and into fresh air. Inhalation of a large number of vapors or fumes released due to heat, damage, or incorrect use, may cause respiratory irritation.

Eye Contact: For direct contact, flush the affected eye(s) with gentle stream of clean water for at least 15 minutes. If irritation persists; seek medical attention.

Skin contact: Do not use gasolines, thinners, or solvents to remove products from skin. Remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water and, if necessary, a waterless skin cleaner. If irritation or redness develops and persists, seek medical attention. Contact with battery electrolyte may cause burns and skin irritation.

Most important symptoms and effects, both acute and delayed: Contact with internal components may cause allergic skin sensitizations (rash) and irritate eyes, nose, throat, and respiratory system. Cobalt and cobalt compounds are considered to be possible human carcinogens.

Section 5 Firefighting measures.

Extinguishing media:	Use foam, dry powder, or dry sand, CO2 as appropriate.
Unsuitable extinguishing media:	CAUTION: Use of water spray when fighting battery fire may be inefficient.
Specific hazards arising from the chemical:	Under fire conditions, batteries may burst and release hazardous decomposition products. This could result in the release of flammable or corrosive materials.
Hazardous combustion product:	CO, CO2, metal oxides, irritating fumes.
Protective equipment and precautions for firefighters:	Firefighters must wear fire resistant protective equipment and an appropriate breathing apparatus. Fire and toxic gas resistant clothing is recommended. Remove the container to open space as soon as possible. Be upwind of the fire before extinguishing.

Section 6 Accidental release measures.

Personal precautions, protective equipment, and emergency procedures:	If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. The preferred response is to leave the area, dispose of the case after the batteries have cooled, and vapors have dissipated. Avoid contact with skin and eyes and avoid inhalation of vapors.
Methods for containment:	Prevent further leakage or spillage if it is safe to do so.
Waste disposal method:	Collect all released material in a plastic lined container. Dispose of according to the local law and rules. Dispose of in a timely manner as leached substances can be absorbed into the earth, and subsequently the water.

Section 7 Handling and storage.

Precautions to be taken in handling and storage:	Always follow the warning information on the batteries and in the manuals of devices. Only use on the recommended battery types. Keep batteries away from children. For devices to be used by children, the battery casing should be protected against unauthorized access. Unpacked batteries should not be stored in bulk. In case of battery change always replace all batteries with new ones of identical type and brand. Do not swallow batteries. Do not throw batteries into water. Do not throw batteries into fire. Avoid deep discharge. Do not short-circuit batteries, use recommended charging time and current.
Storage:	Keep containers tightly closed in a dry, cool, and well-ventilated place. Store locked up. Keep out of the reach of children. If battery is subject to storage for long term (more than 3 months) it is recommended to recharge the battery periodically.
Incompatible products:	Strong acids. Strong oxidizing agents.

Section 8 Exposure controls/personal protection.

Respiratory protection: None (under normal charge and discharge). In case of inadequate ventilation, use respiratory protection.

Protective gloves: Wear rubber protective gloves.

Eye protection: None (under normal charge and discharge).

Ventilation: Use product where there is adequate ventilation.

Other protective equipment: None (under normal charge and discharge).

Section 9 Physical and chemical data.

Physical state: Solid

Appearance & odor: Silver, odorless

Odor Threshold: No data available

PH: No data available

Melting/freezing point: No data available

Boiling point/boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (upper and lower limit): No data available

Vapor pressure: No data available

Vapor density: No data available

Specific gravity: No data available

Solubility: Insoluble in water

Section 10 Stability and reactivity data.

Stability: Stable under recommended storing conditions.

Incompatibility: Avoid contact with strong acids and strong oxidizing agents. Extended exposure to high temperatures may cause decomposition.

Reactivity: No data available

Hazardous decomposition products: Under fire conditions, the electrode materials can form carcinogenic cobalt oxides.

Possibility of hazardous reactions: When heated above 70°C the risk of rupture occurs. Due to special safety construction, rupture implies controlled release of pressure without ignition.

Section 11 Toxicological information.

Communication of physical property, health, and safety information is a key factor in our product safety program. With this information you can better fulfill your obligation to educate exposed personnel in the proper handling techniques required to maintain safety in the workplace. Listed in this section is NPCA-HMIS classification for this product.

Unusual hazards: None known.

Routes of entry: Inhalation and skin. Avoid eye contact. Do not ingest.

Eyes: This material may cause eye irritation. Direct contact may cause burning, tearing and redness.

Inhalation: This product has low volatility and so is not expected to cause respiratory tract irritation.

Ingestion: Ingestion of this material is not recommended.

Acute toxicity: No data available.

Skin corrosion/irritation: The liquid in the battery is an irritant.

Eye damage/irritation: The liquid in the battery is an irritant.

Respiratory sensitization: The liquid in the battery may cause sensitivity in the respiratory tract.

Skin sensitization: The liquid in the battery may cause sensitivity in the skin.

Carcinogenicity: Cobalt and cobalt compounds are considered to be possible human carcinogens.

Germ cell mutagenicity: No data available.

Reproductive toxicity: No data available.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12 Ecological information.

Water hazard class 1 (self-assessment): Slightly hazardous for water.

Persistence and degradability: No information available.

Bioaccumulation potential: Slowly Bio-degradable.

Other adverse effects: No information available.

Section 13 Disposal considerations.

Disposal methods: Do not incinerate. Dispose of product in accordance with local, county, state and federal regulations.

Section 14 Transport information.

When transported in original packaging, this product complies with all applicable shipping regulations as prescribed by industry and legal standards which include UN Recommendations on the Transport of Dangerous Goods; IATA Dangerous Goods Regulations (58th Edition) and US DOT requirements.

The product listed in this Safety Data Sheet is greater than 100 Whrs. Cells and Batteries have been tested to section 38.3 of the UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria. Original packaging has passed the 1.2 m drop test.

Air shipment is discouraged unless person preparing or offering product for air shipment is adequately instructed on IATA Packing Instructions 965 requirements for shipment of lithium ion batteries.

UN number: UN3480

Proper Shipping Name: Lithium-ion batteries

Class 9 Label

Packing Group: II (UN/4G)

EmS No: F-A, S-I

Marine Pollutant: No

TRUCK/RAIL: P903

ADR 1.1.3.6: If over Max 333kg/per transport unit (truck incl. trailer), additional requirements to the carrier required

DOT: If under 300Wh, Class 9 Label not required

IMDG: P903 Shippers Declaration for Dangerous Goods Required

AIR: PI965 Section 1A Shippers Declaration for Dangerous Goods Required

Please refer to the listed regulations for further and detailed information:

ADR: European Agreement concerning the International Carriage of Dangerous Goods

49CFR: Code of Federal Regulations, DOT, PHMSA is responsible for regulating movement of hazardous materials by all modes of transportation within the US.

IATA DGR: International Air Transport Association, Dangerous Goods Regulations,.

ICAO: International Civil Aviation Organization, Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG Code: International Maritime Dangerous Goods Code

RID: International Statutory Order on the Conveyance of Dangerous Goods by Rail

UN: United Nations Recommendations on the Transport of Dangerous Goods

Section 15 Regulatory information.

«Dangerous Goods Regulations»
«Recommendations on the Transport of Dangerous Goods Model Regulations»
«International Maritime Dangerous Goods»
«Technical Instructions for the Safe Transport of Dangerous Goods»
«Classification and code of dangerous goods»
«Occupational Safety and Health Act» (OSHA)
«Toxic Substance Control Act» (TSCA)
«Consumer Product Safety Act» (CPSA)
«Federal Environmental Pollution Control Act» (FEPCA)
«The Oil Pollution Act» (OPA)
«Superfund Amendments and Reauthorization Act Title III (302/311/312/313)» (SARA)
«Resource Conservation and Recovery Act» (RCRA)
«Safety Drinking Water Act» (CWA)
«California Proposition 65»
«Code of Federal Regulations» (CFR)

In accordance with all Federal, State and local laws.

Section 16 Other information.

Prepared on: July 26, 2018

Revised on: July 2, 2019

The information herein is presented in good faith and believed to be accurate, based on the present state of knowledge and current legislation, as of the date of document preparation. This safety data sheet provides guidance on health, safety, environmental, and transportation aspects of the product for users who have professional training.

As this information may be applied under conditions beyond our control and with which we may be unfamiliar; **no warranty, expressed or implied, is given**; and this document should not be construed as any guarantee of technical performance or suitability for particular applications. It is the buyer's responsibility to ensure that its activities comply with Federal, State, and local laws.