Section 1 Identification.

Product name:

NOCO® Genius Boost Lithium-ion Jumpstarter

Product code:

GB40

Other means of identification:	Not available.
Recommended use:	Rechargeable lithium-ion battery jumpstarter
Nominal voltage:	11.1V
Rated capacity:	2150mAh
Watt hour (electric energy):	24Wh
Manufacturer:	The NOCO Company Glenwillow, OH 44139
Emergency telephone number of the company:	(800) 424-9300
Information telephone number of the company:	(800) 456-6626

Section 2 Hazards identification.

Classification:

This product is an article which is a sealed battery and as such does not require an SDS per the OSHA hazard communication standards unless ruptured. The sealed lithium-ion battery is not hazardous in normal use.

Hazard statement:	None
Pictograms:	N/A
Precautionary statements:	None

Description of any hazards not otherwise classified:

In case of mistreatment (abusive over charge, reverse charge, external short circuit, etc.) and in case of fault, some electrolytes can leak from the cell through the safety device. In this case refer to the risk of the electrolytes. Contact with internal components may cause irritation or severe burns. Irritating to eyes, respiratory system and skin. The electrode materials are only hazardous if the material are released by mechanical damaging of the cell, or if it is exposed to fire.

Section 3 Composition/information on ingredients.

Chemical Name	Molecular Formula	CAS Number	Concentration %
Lithium Cobalt Oxide	$LiCoO_2$	12190-79-3	20~30
Aluminum	Al	7429-90-5	<5
Aluminum Foil	Al	7429-90-5	12~15
Lithium Hexafluorophosphate	$LiPF_6$	21324-40-3	10~20
Copper	Cu	7440-50-8	5~10
Graphite	C	7782-42-5	11~15
Carbon	C	1333-86-4	<2
PVDF	$(C2H2F2)_n$	24937-79-9	<3
Nickle	Ni	7440-02-0	<5

Section 4 First aid measures.

General advice: First aid is only applicable in case of a 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 incorect 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 inaqequite 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:	Insoluable in water

Section 10 Stability and reactivity data.

Stability:	Stable under recommended storing conditions.
Incompatability:	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 150°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.
Persitance and degradability:	No information available.
Bioaccumulation:	No information available.
Other adverse affects:	No information available.

Section 13 Disposal considerations.

Disposal methods:	Dispose of product in accordance with local, county, state and federal regulations.

Section 14 Transport information.

According to Packing Instruction 965-970 of IATA DGR 56rd Edition for transportation, the special provision 188 of IMDG (inc Amdt36-12) the batteries should be securely packed and protected against short-circuits. Examine whether the package of the containers are tightly closed before transport. Handle cargo with care; avoid falling, dropping, and breakage. Prevent other damage of cargo piles. Do not put the goods together with any oxidizer or food chemicals. The transport vehicle should prevent exposure, rain and high temperature. For stopovers, the vehicle should be kept away from fire and heat sources. When transported by sea, the assembly place should be kept away from any bedroom or kitchen, and isolated from the engine room, power and fire sources. Under the condition of road transportation, the driver should drive in accordance with regulated route, and should not stop over in the residential area and congested area. Do not use wood, or cement for bulk transport: Lithium batteries shipped as “Lithium batteries”, Lithium batteries packed with equipment”, or “lithium batteries contained in equipment” may be classified as “Dangerous Goods” when shipped in accordance with Packing Instruction 965-970 of IATA-DGR” or “Special provision 188of IMO-IMDG Code”.

DOT (domestic surface):	Non-regulated.
Proper shipping name:	Non-regulated.
Hazard class:	N/A
TDG:	Non-regulated.
MEX:	Non-regulated.
IMO/IMDG (ocean):	Non-regulated.
ICAO/IATA (air):	Non-regulated.
Ems Number:	F-A, S-1
RID:	Non-regulated.
ADR:	Non-regulated.
AND:	Non-regulated.

Section 15 Regulatory information.

CAS Number	USA TSCA	EU EINECS	China IECSC	Canada DSL
1333-86-4	Listed	Listed	Listed	Listed
12190-79-3	Listed	Listed	Listed	Listed
7429-90-5	Listed	Listed	Listed	Listed
24937-79-9	Not Listed	Listed	Listed	Not Listed
7782-42-5	Listed	Listed	Listed	Listed
21324-40-3	Not Listed	Listed	Listed	Not Listed
7440-02-0	Listed	Listed	Listed	Listed
7440-50-8	Not Listed	Listed	Listed	Not Listed

Section 16 Other information.

Prepared on: May 4, 2015

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.