Section 1 Identification.

Product name:

NOCO® Boost Sport Jump Starter

Product code:

GB20

Other means of identification:	Not available.
Recommended use:	Rechargeable lithium-ion battery jump starter
Nominal voltage:	11.1V
Rated capacity:	2150mAh
Watt hour (electric energy):	24Wh
Rating:	USB Input: 5V ⎓ 2.1A Max; USB Output: 5V ⎓ 2.1A Max; 12V Output: 12V ⎓ 500A Max;
Importer:	The NOCO Company Spaces T&G Bldg., Level 1&2; 161 Collins Street Melbourne, Australia 3000
Emergency telephone number of the company:	PERS (800) 633-8253 USA/CANADA PERS (801) 317-0899 INTERNATIONAL
Information telephone number of the company:	(800) 456-6626 Mon-Fri 8:00am to 5:00pm MST

Section 2 Hazards identification.

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 and is not hazardous in normal use. Do not disassemble, crush, heat above 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 2 Hazards identification continued.

Explosive Risk:	This article does not belong to the explosion dangerous goods.
Flammable Risk:	This article does not belong to the flammable material.
Oxidation Risk:	This article does not belong to the oxidation of dangerous goods.
Toxic Risk:	This article does not belong to the toxic dangerous goods.
Radioactive Risk:	This article does not belong to the radiation of dangerous goods.
Mordant Risk:	This article does not belong to the corrosion of dangerous goods.
Other Risk:	Watt hour rate 24Wh, which belong to the Lithium ion batteries (including lithium ion polymer batteries)

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	31.5
PVDF (Polyvinylidene Fluoride)	$(C2H2F2)_n$	24937-79-9	2.0
Aluminum	AlH_3	7429-90-5	8.2
Graphite	$C_{24}X_{12}$	7782-42-5	16.0
Styrene-Butadiene Rubber	$C_{12}H_{14}$	9003-55-8	0.4
Carboxymethyl cellulose	$C_8H_{16}O_8$	9000-11-7	0.3
Copper	Cu	7440-50-8	17.1
Lithium Hexafluorophosphate	$LiPF_6$	21324-40-3	15.5
Polyethylene	C_2H_6	9002-88-4	8.0
Ethylene-Propylene-Diene Monomer (EPDM)	C_2ClF_3	24937-16-4	1.0

Section 4 First aid measures.

General advice:	First aid is only applicable in case of a cell rupture. Cell rupture can only occur if product is misused, mechanically, thermally, or electrically abused to the point of compromising the enclosure. Contact with internal components may cause allergic skin sensitization (rash) and irritate eyes, nose, throat, and respiratory system. Cobalt and Cobalt compounds are considered possible human carcinogens.
Ingestion:	Ingestion of battery contents if battery is compromised due to incorrect use or damaged may cause mouth, throat, and intestinal burns. Seek immediate medical attention. Do not induce vomiting unless directed to do so by medical personnel.
Inhalation:	Inhalation of vapors or fumes released due to heat, damage, or incorrect use, may cause respiratory irritation. If irritation of nose or throat develops, move away from source of exposure and into fresh air. Seek immediate medical attention.
Eye Contact:	For direct contact of chemicals in the battery, flush the affected eye(s) with gentle stream of clean water for at least 15 minutes, if irritation persists; seek medical attention.
Skin Exposure:	Contact with the internal battery materials can cause burns and skin irritation. If contact should occur, immediately flush with plenty of water. 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.

Section 5 Firefighting measures.

Flash Point:	N/A
Auto-Ignition Temperature:	N/A
Extinguishing media:	Use foam, dry powder, or dry sand, CO2 as appropriate. 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 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.
Unusual Fire and Explosion Hazards:	Cell may vent when subjected to excessive heat, exposing battery contents.

Section 6 Accidental release measures.

Personal precautions, protective equipment, and emergency procedures:	If 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 inhalations 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 local law and rules (see Section 13). Dispose of in a timely manner as leached substances can be absorbed into the earth, and subsequently the water.

Section 7 Handling and storage.

Handling and storage:	The battery should not be opened, destroyed or incinerated, since they may leak or rupture and release to the enviroment the ingredients that they contain in the hermetically sealed container.
Precautions to be taken in handling and storage:	Always follow the warning information on the product user manual and in the manuals of devices product will be used on. Only use on the recommended battery types. Keep product away from children. Product should be protected against unauthorized use and access. Avoid mechanical or electrical abuse. Do not handle with metalwork. Do not disassemble, crush, or burn product. Do not short circuit terminals, over charge the battery, forced over-discharge, or throw in fire. Do not crush or puncture the battery, or immerse in liquids. Ensure good ventilation when using.
Storage:	Store product in a dry, cool, and well-ventilated area. Keep out of reach of children. It is recommended to recharge the battery periodically, if product is subject to storage for a long period of time (more than 3 months). Do not store or use product near fire or heaters, avoid storage in direct sunlight. Do not store together with oxidizing and acidic materials. Do not immerse in water.
Other Precautions:	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

Section 8 Exposure controls/personal protection.

Ventilation:	Not necessary under normal use. Use product where there is adequate ventilation. Keep away from heat and flames.
Respiratory protection:	Not necessary under normal use. In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores. Personal protection is recommended for venting battery: respiratory protection, protective gloves, protective clothing and safety glass with side shields.
Protective gloves:	Not necessary under normal use. Use rubber gloves if handling a leaking or ruptured battery.
Eye protection:	Not necessary under normal use. Wear safety goggles or glasses with side shields if handling a leaking or ruptured battery.
Skin Protection:	Not necessary under normal use. Use rubber apron if handling a leaking or ruptured battery.
Other protective equipment:	Not necessary under normal use.
Hygiene Measures:	Do not eat, drink, or smoke when using this product.

Section 9 Physical and chemical data.

Appearance	Quadrate shape
Reference Number:	18PNS110053 03001
Physical Shape:	Solid
Form:	Prismatic
Odor:	If leaking, smells of medical ether.
pH:	Not applicable as supplied.
Flash Point:	Not applicable unless individual components exposed.
Flammability:	Not applicable unless individual components exposed.
Relative Density:	Not applicable unless individual components exposed.
Solubility (water):	Not applicable unless individual components exposed.
Solubility (other):	Not applicable unless individual components exposed.
Self-Igniting	Product is not self-igniting

Section 10 Stability and reactivity data.

Stability:	Stable under recommended storing conditions described in Section 7.
Conditions to avoid:	Heat above 70°C (158°F) or incinerate. Deform. Mutilate. Crush. Disassemble. Overcharge. Short Circuit. Expose over a long period to humid conditions.
Materials to avoid:	Oxidising agents, alkalis, water.
Hazardous Decompisition Products:	Toxic Fumes, and may form peroxides.
Hazardous Polymerization:	N/A
	If leaked, forbidden to contact with strong oxidizers, mineral acids, strong alkalies, halogenated hydrocarbons.

Section 11 Toxicological information.

As the battery materials in this product are sealed, the potential for exposure to the components of the battery is negligible. However technical or electrical abuse of the product, including dismantling, crushing, exposing to heat or fire, improper storage, or other abuse to the point of compromising the enclosure, irritation to the skin, eyes, and respiratory tract may occur.

Signs and Symptoms:	None, unless battery ruptures.
	In the event of exposure to internal contents, vapor fumes may be very irritating to the eyes and skin.
Inhalation:	Lung irritant
Skin contact:	Skin irritant
Eye contact:	Eye irritant
Ingestion:	Poisoning if swallowed
	Medical condidtions generally aggravated by the exposure: In the event of exposure to internal contents, moderate to severe irritation, burning and dryness of the skin may occur, target organs, nerves, liver and kidneys.

Section 12 Ecological information.

Mammalian effects:	None known at present.
Water hazard class 1 (self-assessment):	Slightly hazardous for water.
Eco-toxicity:	None known at present.
Biodegradable:	No information available.
Bioconcentration or biological accumulation:	Slowly bio-degradable.
Enviromental fate:	None known enviromental hazards at present.
Other adverse affects:	No information available.

Section 13 Disposal considerations.

This product should be completely discharged prior to disposal. The battery contains recyclable materials. It is strongly suggested to recycle. Refer to National or Local regulations before handling. Disposal of the product should be performed by permitted, professional disposal firms knowledgeable in National or Local regulations of hazardous waste treatment and hazardous waste transportation.

This product has been classified as a State hazardous waste. States codes applied: CA 141, WA WT01.

Do not incinerate, or subject cells to temperature in excess of 70°C, such abuse can result in the loss of seal leakage, and/or cell explosion. Dispose in accordance with appropriate local 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 DGR 60th Edition (Effective 2019) Packing Instruction 965 of section IB and US DOT requirements.

The product in this Safety Data Sheet is less than 100Wh. Cells and batteries have been proven to meet the requirements of each applicable test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3. Original packaging has passed the 1.2m drop test.

Air shipment is discouraged unless person preparing or offering product for air shipment is adequately instructed and trained. Training should cover the Department of Transportation's Hazardous Materials Regulations (49CFR, Parts 171-180), ICAO'S Technical Instructions, IATA's Dangerous Goods Regulations and the International Maritime Organization's IMDG Code

UN number:	UN3480
Proper Shipping Name:	Lithium-ion battery (including lithium ion polymer batteries)
Label for conveyance:	Lithium Battery Mark, the Class 9 - Lithium Battery hazard label, the Cargo Aircraft Only label.

EmS Number:	F-A, S-I
Air Shipments (IATA):	PI 965 Section IB Hazard Class 9
Marine pollutant:	No
Sea Shipments (IMO-IMDG):	Special Provision 188 Hazard Class Not Restricted Packing Group Not Restricted The goods are not restricted to IMO IMDG Code (Amend 38-2016).
Europe Road (ADR):	Compliant with Special Provision 188 of the ADR/IMDG Regulations and can be transported as “Excepted”
US Road (DOT):	Compliant with Special Provision 188 of the DOT/IMDG Regulations and can be transported as “Excepted”
Hazard Classification:	The goods shall be complied with the requirements of Section IB of Packing Instructions 965 of 60th DGR Manual of IATA (2019 edition), and the Special Provision 188 of IMDG CODE (Amdt. 39-18) 2018 edition, including the passing of UN38.3 test.

Section 15 Regulatory information.

CAS Number	Listed TSCA	Listed EINECS	Listed IECSC	Listed DSL/NDSL	Listed AICS
12190-79-3	Yes	Yes	Yes	DSL	Yes
24937-79-9	Yes	Yes	Yes	DSL	Yes
7429-90-5	Yes	Yes	Yes	DSL	Yes
7782-42-5	Yes	Yes	Yes	DSL	Yes
9003-55-8	Yes	Yes	Yes	DSL	Yes
9000-11-7	Yes	Yes	Yes	DSL	Yes
7440-50-8	Yes	Yes	Yes	DSL	Yes
21324-40-3	Yes	Yes	Yes	NDSL	Yes
9002-88-4	Yes	Yes	Yes	DSL	Yes
24937-16-4	No	Yes	Yes	No	Yes

Section 16 Other information.

Prepared on: April 13, 2018
Revised on: September 13, 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.