KA200 Lithium Polymer Jump starter

Safety Data sheet

Section 1 Chemical Product and Company Identification	
Product name	KA200 Lithium Polymer Jump starter
Model	KA200 (Battery Model: JS5267102)
Ratings	14.8V, 3000mAh, 44.4Wh
Battery Model appearance	Approximate Blue Cuboid
Company	SDE Powertrain Ltd
Address	27 Fremlin Place, Avondale, Auckland. 1026.
Telephone	09 8284798
Website	sdept.net

Section 2 hazards summarizing	
Classification of Danger	(See section 14)
Invasion Route	Inhalation, skin contact, eye contact and ingestion
Fire and explosion risk	May occur fire or explode under high temperature or short circuit conditions
Mordant risk	No information available
Health hazard	Batteries are not hazardous when used according to the instruction of manufacturer under normal conditions. In the case of abuse, rupture, fire, heat, swelling, leakage risk, and may result in unexpected losses. Abuse includes but not limited to the following cases: charged for long time, short-circuited, put into fire, hit with hard object, punctured with acute object, crushed. and broken.
Environmental hazards	No information available

Section 3 Composition, Information on Ingredients

Classification of the substance or mixture: ☐substance ☒mixture			
Chemical Composition	Chemical Formula	CAS NO.	Weight(%)
Lithium nickel-cobaltmanganate	LiNixCoyMnzO2	182442-95-1	35.4
Graphite	C	7782-42-5	19
Lithium hexafluorophosphate	$LiPF_6$	21324-40-3	1.79
Ethylene carbonate	$C_3H_4O_3$	96-49-1	3.93

Carbonic acid ethyl methyl ester	$C_4H_8O_3$	623-53-0	7.97
Dimethyl Carbonate	$C_3H_6O_3$	616-38-6	0.76
copper	Cu	7440-50-8	5.74
Aluminum	Al	7429-90-5	19.29
Other	---	---	6.12
Note: CAS: Chemical Abstracts Service (Division of the American Chemical Society). "---": No Data			

Section 4 First Aid Measures

General information No special measures required.	
After inhalation	Remove victim to fresh area. Administer artificial respiration if breathing is difficult. Seek medical attention.
After skin contact	Remove contaminated clothing and shoes. Immediately wash with water and soap and rinse thoroughly. Wash clothing and shoes before reusing. If irritation occurs, get medical attention.
After eye contact	Flush eyes with plenty of water for several minutes while holding eyelids open. Get medical attention if irritation persists.
After swallowing	Do not induce vomiting. Get medical attention.

Section 5 Fire Fighting Measures

Extinguishing agent	Use an extinguishing agent suitable for local conditions and the surrounding environment . Such as dry powder, CO_2, cold water, sand, earth. Don't use warm or hot water. Don't use Halon type extinguishing material.
Special hazards	Special hazards arising from the substance or mixture: Battery may burst and release hazardous decomposition products when exposed to a fire situation. Lithium ion batteries contain flammable electrolyte that may vent, ignite and produce sparks when subjected to high temperature (>150℃(302℉)), when damaged or abused (e.g. mechanical damage or electrical overcharging); may burn rapidly with flare-burning effect, may ignite other batteries in clothes proximity.
Hazardous Combustion Products	Carbon monoxide, carbon dioxide, lithium oxide fumes.
Protective measures	Wear self-contained respirator. Wear fully protective impervious suit

Section 6 Accidental Release Measures	
Homework personnel protective measures, protective equipment and emergency disposal procedures:	Wear protective equipment. Keep unprotected people away. Ensure adequate ventilation
Environmental precautions:	Do not allow material to be released to the environment without proper governmental permits.
Steps to be taken in case material is spilled or released and Waste disposal method:	Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust. Collect as much of the spilled material as possible, placed the spilled material into a suitable disposal container. Keep spilled material out of sewers, ditches and bodies of water All waste must refer to the United Nations, the national and local regulations for disposal.
To prevent the secondary disasters prevention measures:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7 Handling and Storage	
Precautions for safe handling	Don't handle the batteries in manner that allows terminals short circuit
Information about fire and explosion protection	Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.
Conditions for safe storage, including any incompatibilities	Requirements to be met by storerooms and receptacles. Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the longtime of sunlight.

Section 8 Exposure Controls, Personal Protection	
Respiratory Protection	In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores. Respiratory Protection is not necessary under conditions of normal use.
Ventilation	Not necessary under conditions of normal use.
Protective Gloves	Not necessary under conditions of normal use.
Other Protective Clothing or Equipment	Not necessary under conditions of normal use.
Personal Protection is recommended for damaged battery	Respiratory Protection, Protective Gloves, Protective Clothing and safety glass with side shields.

Section 9 Physical and Chemical Properties	
Appearance	Blue
Form	Approximate Cuboid
Odour	Odorless
Voltage	14.8V
Cell Voltage	3.7V
Electric capacity	3000mAh
Watt-hour	44.4Wh

Section 10 Stability and Reactivity	
Chemical stability	Stable in normal circumstances.
Incompatibilities	Oxidant, acid, alkali
Conditions to Avoid	Heat above 70℃ or incinerate. Deform. Mutilate. Crush, Disassemble. Overcharge. Short circuit. Expose over a long period to humid conditions.
Possibility of hazardous reactions	Data not available.
Hazardous Combustible Products	Carbon monoxide, carbon dioxide, lithium oxide fumes

Section 11 Toxicological information
This product does not elicit toxicological properties during routine handling and use.

Section 12 Ecological information	
Ecological toxicity	N/A
Aquatic toxicity	No further relevant information available.
Persistence and degradability	No further relevant information available.
Behavior in environmental systems	No further relevant information available.
Bio accumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.
Ecological effects	N/A
General notes	Do not allow material to be released to the environment without proper governmental permits.
Other adverse effects	No further relevant information available.

Section 13 Disposal considerations	
Waste treatment methods and Recommendation	Consult state, local or national regulations to ensure proper disposal.
Attention for waste treatment	Deserted batteries couldn't be treated as ordinary trash. Couldn't be thrown into fire or placed in high temperature. Couldn't be dissected, pierced, crushed or treated similarly. Best way is recycling.

Section 14 Transport Information

UN Number	UN3480 UN3481
shipping name	Lithium Ion Batteries Lithium Ion Batteries Packed With Equipment Lithium Ion Batteries Contained In Equipment
Labels for package	Class 9
Marine pollutant	No
Transport information	The dangerous goods regulations require that each lithium battery design be subject to tests contained in Section 38.3 of the UN Manual of Tests and Criteria prior offered for transport.
	Report No. ORTSZB01230801009
	The goods are complied with the requirements of Packing Instructions Pl965section lB or Pl966~P|967 Section ll of 65th DGR Manual of IATA (2024edition)
	The goods are complied with the requirements of Special provision 188 of IMDG CODE(Amdt.41-22)
Transport Fashion	By air, by sea, by railway, by road.

More information concerning shipping, testing, marking and packaging can be obtained from Label master at http://www.abelmaster.com.

Separate Lithium-ion batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport. Take in a cargo of them without falling, dropping, and breakage. Prevent collapse of cargo piles and wet by rain.

Section 15 Regulatory Information

Recommendations on the transport of dangerous goods-model Regulations 23rd

lATA dangerous goods regulations 65th

International maritime dangerous goods code (41-22)

European Agreement concerning the International Carriage of Dangerous Goods by Road

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)

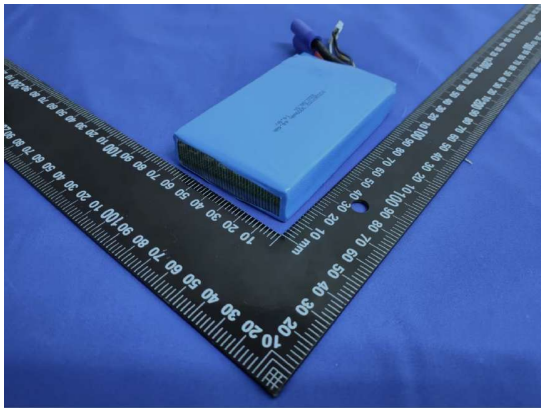
Consumer Product Safety Act (CPSA)

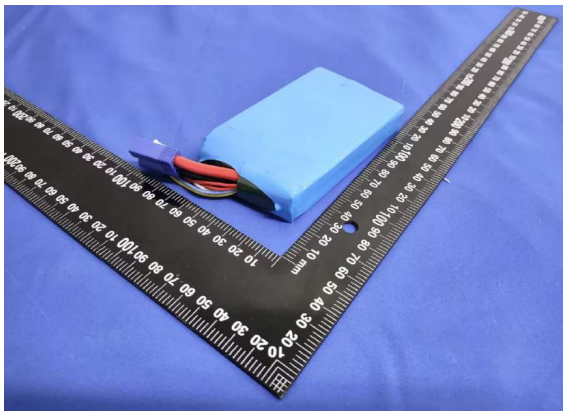
Federal Environmental Pollution Control Act (FEPCA)

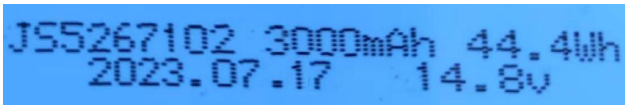
The Oil Pollution Act (OPA)

Section 16 Additional information

Photo







Declare to reader:

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