SAFETY DATA SHEET

Reference No...... : WTX20X07045352B

Applicant.....: QUEST USA CORP

Address...... 495 Flatbush Ave Brooklyn, NY 11225

Manufacturer.....: QUEST USA CORP

Address.....: 495 Flatbush Ave Brooklyn, NY 11225

Sample's name.....: Battery

Date of Issue.....: 2020-07-15

Test Report Form No.....: WBB-SDS-01A

Prepared By:

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Compiled by

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Safety Data Sheet

Section 1- Identification of the Substance/Preparation and of the Company/Undertaking

Product Name:	Battery
Model No.:	18650
Ratings	3.7V, 2000mAh, 7.4Wh
Weight:	Approx. 45.0g
Manufacturer:	QUEST USA CORP
Address:	495 Flatbush Ave Brooklyn, NY 11225
Emergency Telephone:	(718)-975-2586
Email:	jenny.I@questbasics.com

Section 2-Hazards Identification

Classification	Standard (29CFR 1910.1200) this product is an article which is a sealed battery and as such does not require an MSDS per the OSHA hazard communication standard unless ruptured. The hazards indicated are for a
	ruptured battery.

Skin corrosion/irritation	See section 8 for exposure controls In the event that this battery has been ruptured, the electrolyte solution contained within the battery would be corrosive and can cause burns
Serious eye damage/eye irritation	The steam of the electrolyte may stimulate eyes. Especially, substance that may cause inflammation of the eyes is contained
Skin sensitization	The leakage of the electrolyte may cause sore and stimulation on the skin
Carcinogenicity	Inhalation of materials from a sealed battery is not an expected route of exposure. Vapors or mists from a ruptured battery may cause respiratory irritation
Specific target organ toxicity (repeated)	Swallowing is not anticipated due to the battery size. The ingestion of the electrolyte causes tissue damage to throat

GHS Label elements, including precautionary statements

Emergency Overview

Signal word: Danger
Hazard Statements
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause cancer



This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold.

Intended use of the product should not result in exposure to the chemical substance This is a battery. In case of rupture: the above hazards exist.

Appearance: Various Physical State: Solid Odor: No odor

Precautionary	Obtain special instructions before use
Statements -	·
Prevention	Do not handle until all safety precautions have been read and understood Use personal protective equipment as required
	Wash face, hands and any exposed skin thoroughly after handling Contaminated work clothing should not be allowed out of the workplace Wear protective gloves
	Do not breathe dust/fume/gas/mist/vapors/spray
	Do not eat, drink or smoke when using this product
Precautionary Statements -	IF exposed or concerned: Get medical advice/attention
Response	Specific treatment (see supplemental first aid instructions on this label)
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
	IF ON SKIN: Wash with plenty of soap and water
	Take off contaminated clothing and wash before reuse
	If skin irritation or rash occurs: Get medical advice/attention
Precautionary	Store locked
Statements -	
Storage	
Precautionary Statements - Disposal	Dispose of contents/container to an approved waste disposal plant
Hazards not	Not applicable
otherwise	
classified (HNOC)	
Unknown Toxicity	31.6% of the mixture consists of ingredient(s) of unknown toxicity
Other	
Other information	May be harmful if swallowed. Very toxic to aquatic life with long lasting effects. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons
Interactions with Other Chemicals	No information available.

Section 3 - Composition/information on Ingredient

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Pure ☐ Admixture⊠

Chemical Name	CAS Number	Weight-%	Trade Secret
Lithium Cobalt Oxide	12190-79-3	40	
Graphite	7782-42-5	30	
Copper	7440-50-8	10	
Aluminum	7429-90-5	10	
1,1-Difluoroethylene polymer	24937-79-9	5	
Phosphate(1-), hexafluoro-, lithium	21324-40-3	2	
Polyethylene	9002-88-4	3	

^{*} The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4 – First Aid Measure

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General Advice	First aid is upon rupture of sealed battery.
	Eye contact: If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area.
	Skin contact: Wash off immediately with soap and plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.
	Inhalation: Remove to fresh air. If symptoms persist, call a physician. Get medical attention immediately if symptoms occur.
	Ingestion: Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
	Self-protection of the first aider: Avoid contact with skin, eyes or clothing.
	Use personal protective equipment as required. Wear personal protective clothing (see section 8).
Most important symptoms and effects, both acute and delayed	Most important symptoms and effects: Itching. Coughing and/ or wheezing.

Section 5 – Fire Fighting measures

Suitable extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Unsuitable extinguishing Media	CAUTION: Use of water spray when fighting fire may be inefficient.	
Specific Hazards arising from the chemical	Product is or contains a sensitizer. May cause sensitization by skin contact.	

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Hazardous	Carbon
Combustion Products	
Explosion Data	Sensitivity to Mechanical Impact: No.
	Sensitivity to Static Discharge: No.
Protective	As in any fire, wear self-contained breathing apparatus
Equipment and	pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
precautions for	
firefighters	

Section 6 – Accidental Release Measures

Personal Precautions, protective equipment, and	Personal Precautions: Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.
emergency procedures	Other Information: Refer to protective measures listed in Sections 7 and 8.
Environmental Precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.
Methods and material for	Methods for Containment: Prevent further leakage or spillage if safe to do so.
containment and cleaning up	Methods for cleaning up: Pick up and transfer to properly labeled containers.

Section 7 - Handing and storage

Precautions for	Handling: In case of rupture. Use personal protection equipment. Avoid contact with
safe handling	skin, eyes or clothing. Ensure adequate ventilation. Do not breathe
	dust/fume/gas/mist/vapors/spray.
Conditions for	Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.
safe storage,	
including any	Incompatible Products: Strong acids. Strong oxidizing agents. Strong bases.
incompatibilities	moon panalo i roddoor onong saccor

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Section 8 – Exposure controls, Personal Protection

Control parameters

Exposure Guidelines

Exposure Guidelines	ACGIH TLV	OSHA PEL	NIOSH IDLH
No information is available			
No information is available			
No information is available			
No information is available			

^{*}ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls	Engineering Measures:
	Showers
	Eyewash stations Ventilation systems.
Individual protection	Eye/Face Protection: If splashes are likely to occur:. Wear safety
measures, such as personal protective equipment	glasses with side shields (or goggles). None required for consumer use.
	Skin and Body Protection: Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.
	Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
	Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

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Section 9 – Physical and Chemical Properties

Physical	Physical					
Properties	Appearance: Various					
	Odor: No odor					
	Physical					
	Odor Threshold: No information available.					
Chemical Propert	ies:	Values	Damaylar/Mathad			
Property		Values	Remarks/ Method			
pH		No data available	None known			
Melting / freezing	-	No data available	None known			
Boiling point / boi	iling range	No data available	None known			
Flash Point		No data available	None known			
Evaporation Rate		No data available	None known			
Flammability (soli	id, gas)	No data available	None known			
Flammability Limi	Flammability Limit in Air		None known			
Upper flammability limit		No data available				
Lower flammability limit		No data available	None known			
Vapor pressure		No data available	None known			
Vapor density		No data available	None known			
Specific Gravity		No data available	None known			
Water Solubility		No data available	None known			
Solubility in other	solvents	No data available	None known			
Partition coefficient: n-octanol/water		0.0001	None known			
Autoignition temperature		130℃	None known			
Decomposition temperature		No data available	None known			
Kinematic viscosity		No data available	None known			
Dynamic viscosity		0.0001	None known			
Explosive properties		No data available	None known			
Oxidizing Properties		No data available	None known			

Other Information

Softening Point	No data available	
VOC Content (%)	No data available	
Particle Size	No data available	
Particle Size Distribution	No data available	

Section 10 - Stability and Reactivity

Reactivity:	No data is available	
Chemical stability:	Stable under recommended storage condition	
Possibility of Hazardous Reactions:	None under normal processing.	
Hazardous Polymerization:	Hazardous polymerization does not occur.	
Conditions to avoid:	None known based on information supplied.	
Incompatible materials	Strong acids. Strong oxidizing agents. Strong bases.	
Hazardous Decomposition Products:	Carbon oxides.	

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Section 11 – Toxicological Information

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information. In case of rupture:.	
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.	
Eye Contact	Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation.	
Skin Contact	Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation.	
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	

Component Information

Information on toxicological effects	Symptoms: Erythema (skin redness). May cause redness and tearing of the eyes. Itching. Rashes. Hives.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Sensitization: May cause sensitization of susceptible persons. May cause sensitization by skin contact. Mutagenic Effects: No information available. Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
No information is				
available				
No information is				
available				

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

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Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated	Causes damage to organs through prolonged or
exposure	repeated exposure.
	Based on classification criteria from the 2012 OSHA
	Hazard
	Communication Standard (29 CFR 1910.1200), this
	product has been
	determined to cause systemic target organ toxicity
	from chronic or
	repeated exposure. (STOT RE).
Chronic Toxicity	Contains a known or suspected carcinogen. Avoid
	repeated
	exposure. Prolonged exposure may cause chronic
	effects. May cause
	adverse liver effects.
Target Organ Effects	Respiratory system. Eyes. Skin. Gastrointestinal
	tract (GI). Central
	Vascular System (CVS).Kidney. Liver. Lungs.
	Heart.
Aspiration Hazard	No information available.

Numerical measures of toxicity Product Information

	ATEmix (oral): X ATEmix (dermal): X
document.	

Section 12 - Ecological Information

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
No information is available				

Persistence and Degradability	No information available.	
Bioaccumulation	No information available.	
Other adverse effects	No information available.	

Section 13 - Disposal Considerations

Waste treatment methods

Disposal methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. **Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

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California Hazardous Waste Codes 141

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
No information is available	

Section 14 - Transport information

The Li-Ion battery as stated in Appendix are made in compliance to the requirements stated in the latest edition of the IATA Dangerous Goods Regulations Packing Instruction 965 section II such that they can be transported as a NOT RESTRICTED (non-hazardous/non-dangerous) goods. However, if those Li-Ion batteries are packed with or contained in an equipment, then it is the responsibility of the shipper to ensure that the consignment are packed in compliance to the latest edition of the IATA. Dangerous Goods Regulations section of either Packing Instruction 966 or 967. II. With regard to transport, the following regulations are cited and considered:

- The International Civil Aviation Organization (ICAO) Technical Instructions, Packing instruction 965 or 966 or 967, section II (2015-2016 Edition).
- The International Air transport Association (IATA) Dangerous Goods Regulations, Packing instruction 965 or 967, section II (61st Edition, 2020).
- Special provision 188 of the International Maritime Dangerous Goods (IMDG) Code (Amendment 39-18 Edition).
- The US Hazardous Materials Regulation 49 CRF (Code of Federal Regulations), sections 173-185 Lithium batteries and cells.
- The UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria 38.3 Lithium batteries, Rev.6, Amend.1

These products are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to all the applicable international and national governmental regulations, not limited to the above mentioned. We further certify that the enclosed products have been tested and fulfilled the requirements and conditions in accordance with UN Recommendations (T1 – T8) on the Transport of Dangerous Goods Model Regulations and the Manual of Tests and Criteria.

Test results of the UN Recommendation on the Transport of Dangerous Goods

Manual of Test and Criteria (38.3 Lithium battery)				
No.	Test items	Test results	Remark	
T1	Altitude simulation	Pass		
T2	Thermal test	Pass		
T3	Vibration	Pass		
T4	Shock	Pass		
T5	External short circuit	Pass		
T6	Impact / Crush	Pass		
T7	Overcharge	Pass		
T8	Forced discharge	Pass		

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Section 15 – Regulatory Information

International Inventories

TSCA: Complies

DSL: All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 – Threshold Values %
No information is available			
No information is available			
No information is available			
No information is available			

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
X No information is available				

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous	Extremely Hazardous	RQ
	Substances RQs	Substances RQs	
No information is available			
No information is available			

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65	
No information is available		

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U.S. State Right-to-Know Regulations

Chemical	New	Massachusetts	Pennsylvania	Rhode	Illinois
Name	Jersey			Island	
No information is available					
No information is available					
No information is available					
No information is available					
No information is available					
No information is available					

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
No information is available		
No information is available		

Mexico - Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class

Non-controlled

Section 16 - Additional Information

NFPA	Health Hazards 1	Flammability 0	Instability 0	Physical and
HMIS	Health Hazards 0	Flammability 0	Physical Hazard	Chemical Hazards -
		-	0	Personal Protection X

Revision Date: X

Revision Note: No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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