

Report No.: SZARR190117012-01

SAFETY DATA SHEETS

Client Name : CHONGQING UNITED TECHNOLOGY INC.

23-18 SOUTH TOWER OF CENTURY EMPEROR,

Address : NO.38 JIANXIN ROAD, JIANGBEI CHONGQING,

400020 CHINA

Product Name : WIND INDICATOR

Date : Jan. 23, 2019

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Applicant : CHONGQING UNITED TECHNOLOGY INC.

Address 23-18 SOUTH TOWER OF CENTURY EMPEROR, NO.38 JIANXIN

ROAD, JIANGBEI CHONGQING, 400020 CHINA

The submitted sample and sample information was/were submitted and identified by/on the behalf

of the client

Sample Name WIND INDICATOR

Model No. CWI200 **Battery Capacity** 2200MAH

CHONGQING UNITED TECHNOLOGY INC. Manufacturer CHONGQING UNITED TECHNOLOGY INC. Supplier

Buyer CIRRUS OUTDOORS,LLC.

CIRRUS Trade Mark **Country of Origin** CHINA

Sample Received Date Jan. 17, 2019

Testing Period Jan. 17, 2019 to Jan. 23, 2019

Preparation standard Hazard Communication standard (OSHA HCS) 29 CFR 1910.1200

Tested by Willer

Willow Liu Test engineer Reviewed by

Zoe Zheng

Test engineer

Compliance Laborate **Anbote** Approved by Leo Li * Approved *

Authorized signatory

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Section 1. Chemical Product and Company Identification

Product identifier

Product name : WIND INDICATOR

Model : CWI200

CAS No. : Refer to section 3

EC No. : Refer to section 3

Molecular formula : Refer to section 3

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : /
Uses advised against : /

Details of the supplier of the safety data sheet

Supplier : CHONGQING UNITED TECHNOLOGY INC.

Manufacturer : CHONGQING UNITED TECHNOLOGY INC.

Country of origin : CHINA

Export to : /

Website : /

Telephone : /

Fax : / E-mail address : /

Emergency telephone number

Emergency phone : /



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Section 2. Hazards identification

Hazards Classification

GHS Classification in accordance with Hazard Communication standard (OSHA HCS) 29 CFR 1910.1200, the sample is divided into the following hazard category.

Physical hazard : Not classified as physical hazard category.

Health hazard : Not classified as health hazard category.

Environment hazard: Not classified as environment hazard category.

Health hazard : Skin irritation (Category 2)

Eye irritation (Category 2)

Environment hazard : Chronic aquatic toxicity (Category 3)

Label elements

Hazard pictograms

Signal word : Warning.

Hazard statements : H315 Causes skin irritation.

H319 Causes serious eye irritation.

H413: May cause long lasting harmful effects to aquatic life

Precautionary: P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

statements- P273 Avoid release to the environment.

Prevention P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary: P303 +P361 +P353 IF ON SKIN (or hair): Remove/Take off immediately all

statements- contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary : No precautionary phrases.

statements-

Response

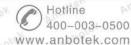
storage

Precautionary: P501 Dispose of contents/ container to an approved waste disposal plant.

statements-

Disposal

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Hazards not otherwise classified (HNOC) or not covered by GHS

No available data.

HMIS:

Health: 1 Flammability: 1 Reactivity: 0 Personal protection: E

Section 3. Composition/Information on Ingredients

/laterial	Chemical Name	Molecular formula	Percent of Content (%)	CAS No.	EC No.
Cartridge	Glycerin	C ₃ H ₈ O ₃	0.5	56-81-5	200-289-5
	Propylene Glycol	C ₃ H ₈ O ₂	0.4	57-55-6	200-338-0
E. P. C. Lak	Lithium cobalt oxide	LiCoO ₂	34.76	12190-79-3	And And
	Graphite powder	aboto*C Ant	16.35	7782-42-5	231-955-3
	Rubber	Notona 1	0.88	ek Abolek	Allbon
p.y	Carbon black	Crok	0.91	1333-86-4	215-609-9
	SBR	(C ₈ H ₈ • C ₄ H ₆)	0.47	9003-55-8	N. Pilos
rry_sts ^k	Lithium hexafluorophoshate	LiPF ₄	1.78	21324-40-3	244-334-7
Aug.	EC	C ₃ H ₄ O ₃	3.51	96-49-1	202-510-0
	EMC	C ₄ H ₈ O ₃	3.22	623-53-0	N/A
	Dimethyl carbonate	C ₃ H ₆ O ₃	3.14	616-38-6	210-478-4
	Copper	Cu	8.29	7440-50-8	231-159-6
	Aluminum	Al	3.67	7429-90-5	231-072-3
	Nickel	Ni	0.22	7440-02-0	231-111-4



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Section 4. First Aid Measures

Inhalation If breathed in dust/smoke/varpour, remove victim from exposure and move to fresh air

immediately. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen and seek medical advice immediately.

If on skin, Wash affected skin with soap and plenty of water. Skin Contact

Eye Contact If contact with dust/smoke/vapour, rinse immediately with plenty of water for 15 minutes.

If persist irritating, seek medical advice immediately.

Ingestion If swallowed, rinse mouth with water. Never give anything by mouth to an unconscious

person. Seek medical advice immediately.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5. Fire Fighting Measures

Extinguishing media

Suitable Fire Extinguishing Media

Carbon dioxide, dry chemical extinguishers, water spray alcohol-resistant foam.

Unsuitable Fire Extinguishing Media

None.

Special hazard arising from the

substance or mixture

Combustion Products Advice for firefighters

Batteries may burst and release hazardous decomposition products when exposed to a fire situation or short-circuited.

Carbon monoxide, carbon dioxide.

Special fire fighting procedures

As soon as possible, remove the goods from fire to open place. For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, Standing on the windward,

use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Do NOT use straight streams of

water.

Protective Equipment Wear suitable protective clothing, gloves, eye/face protection and

self-contained breathing apparatus in pressure-demand,

MSHA/NIOSH (approved or equivalent), and full protective gear

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Section 6. Accidental Release Measures

Person 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 and allow the batteries to cool and vapors to dissipate. Prevent the spillage to flow into restrictive space like the sewer and the drainage channel. Provide maximum ventilation. Use absorption agent or other inert materials to absorb leakage liquid.

Environment precautions

Methods and materials for
containment and cleaning up

: Prevent to enter sewage, soil, river and sea.

: Use the cleansing scoop to collect into container with lid that it dry and clean. Ventilate and watering after clean. Do not flush away residues with water. Retain as contaminated waste. Remove contaminated soil and dispose of safely

Additional information

: In order to prevent birds or fish from being fed by the drainage system, they must be thoroughly recovered and reuse.

Section 7. Handling and Storage

Precautions for safe handing

Keep away from sources of ignition.

Operating personnel must train specially and follow close to the line of operating instruction.

Ensure good ventilation/exhaustion at the workplace. Minimize vapor/aerosol generation and accumulation.

Wear suitable protective clothing, gloves and eye/face protection.

Do not eat, drink or smoke in working areas. Wash skin thoroughly before

breaks and after handing.

Equip with relevant types and quantities of extinguishment instruments and

device for divulgence handing.

Avoid short circuit, short circuit in a long time can cause the battery to lose

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energy, produce a lot of hot burning skin, or even cause a fire or explosion. When transporting or storing the battery due to effective measures against short circuit, do not remove the decomposition of batteries, lithium-ion polymer batteries should be maintained in the 10-50% State of charge

transport, and are not allowed in contact with water.

Conditions for safe storage, including any incompatibilities

Store in cool, dry, ventilated place.

Keep container tightly closed in a cool, well-ventilated place.

Keep away from sources of ignition - No smoking.

When stored for a long time, and polymer lithium-ion battery should be maintained in the State of charge of 40-60%, stored in a cool, dry, ventilated place, performance loss at high temperature can cause battery leakage.

Incompatibilities

Keep separate with the oxidizing agent.

Avoid contacting with oxidizer and strong acid.

Keep the sample easy to be identified.

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational : Propylene Glycol: TWA 150 ppm 474 mg/m³

exposure limits Glycerol: TWA 10 mg/m³

Aluminum: TWA 10 mg/m³, 5 mg/m³ (dust)

Graphite: TWA 4 mg/m³ (total dust), 2 mg/m³ (inhalable dust)

Copper: TWA 1 mg/m³; STEL 2 mg/m³

Lithium hexafluorophosphate: TWA 2.5 mg/m³

Biological limit values : No available data.

Exposure controls

Monitoring Method : Not available data.

Appropriate : Operations with potential for generating high concentrations of airborne engineering controls particulates or fumes should be evaluated and controlled as necessary.

Personal protective equipment

Respiratory Protection : If the vapour density exceed in the air, must wear mask, or self-contained

breathing.

Eye Protection : Wear suitable chemical safety goggles.

Body Protection : Wear work clothes.

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Hands Protection Wear suitable protective gloves.

Other Protection No smoking, dining and drinking water in the workplace. Keep good habit of

hygiene. Shower and change clothes after work.

Section 9. Physical and Chemical Properties

Steel and plastic shell **Appearance** Type No available data.

Odor No unpleasant smell Voltage No available data.

Quantity of electric Rate Capacity 2200 mAH, 7.92Wh No available data.

charge

Vapor Density : No available data. Density No available data.

Explosion Upper No available data. **Explosion Lower**

Limits Limits

No available data.

Section 10. Stability and Reactivity

Stability Stable under normal temperature and pressure.

Distribution of Ban Strong acids and strong basis **Conditions to Avoid** Strong acids and strong basis

No available data. Hazardous

Polymerization

Hazardous No available data.

Decomposition

Products

AB-RHS-03-a Hotline

400-003-0500 www.anbotek.com



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Section 11. Toxicological Information

Acute Toxicity No available data.

Component	CAS No.	LD50	LC50
Glycerin	56-81-5	Dermal - Rabbit > 10,000 mg/kg	- Wuhate, Wuh
Propylene Glycol	57-55-6	Oral - rat - 20,000 mg/kg Dermal - rabbit - 20,800 mg/kg	- Anbotek Anbo
Aluminum	7429-90-5	Oral-Rat: > 2,000 mg/kg	Inhalation-Rat-4 h: > 888 mg/l
Graphite	7782-42-5	Oral - Rat - female > 2,000 mg/kg	- botek Anbot
Copper	7440-50-8	Intraperitoneal-Mouse: 3.5 mg/kg	notek antido.
Dimethyl carbonate	616-38-6	Oral - rat: 13000 mg / kg	- All niek Anboten
Lithium hexafluorophoshate	21324-40-3	Oral-rat: > 50-300 mg/kg	ek Ambatak Anbot

Glycerin: Eyes - Rabbit: Mild eye irritation - 24 h

Risk of irritation only occurs if cells or batteries are mechanically, thermally or corrosion/irritation

electrically abused and the enclosure is compromised.

No available data. Serious eye

damage/eye irritation

Respiratory or skin No available data.

sensitisation

No available data. Germ cell mutagenicity

IARC: The product is not identified as probable, possible or confirmed human Carcinogenicity

carcinogen by IARC.

Reproductive toxicity No available data.

Specific target organ No available data.

toxicity-single

exposure

Specific target organ No available data.

toxicity-repeated

exposure

Aspiration hazard No available data. Additional information No available data.

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Section 12. Ecological Information

Eco-toxicity: No known significant effects or critical hazards.

Component	CAS No.	Toxicity to fish	Toxicity to	Toxicity to algae
cotak ambote	You	K hotek Anbore	daphnia and other	ak Kupo.
all all all	otek Anbor	Arra stek subotek	aquatic	notek Anhote
Antion Air	antek an	loter Andre -44 motel	invertebrates	tak -dbota
Glycerin	56-81-5	-polek Albon All	tot habotek	Pupo W
Propylene	57-55-6	NOEC - Pimephales	EC50 - Daphnia	- Prupore Will
Glycol	Antioto	promelas (fathead minnow) -	magna (Water	Anbotek A
And And	, upplek	52,930 mg/l - 96 h	flea) - > 10,000	ek abatak
ipolok kupo	Now you	k Aupole, Vun	mg/l - 48 h	V. Villa
Graphite	7782-42-5	LC50-Danio rerio (zebra	EC50 - Daphnia	pote Pur
All wolck D	upoter Yup	fish): > 100 mg/l-96 h	magna (Water	Puporak Vupos
Rutin	Najou.	rupor Any	flea): > 100	natek Anbr
NURO,	by,	Pupoles Vupo	mg/l-48 h	Ame
Lithium	21324-40-3	- "potok Pupo, by	EC50 - Daphnia	- Anh
hexafluoropho	Anbo	anboter anboter	magna (Water	N. Aupor
shate	lek kupon	Aun Tok "Upotek	flea) - > 100 mg/l -	otok anbotak
Vupore bur	steV sate	otek Anbo. Ak wolek	48 h	sek abotek

Biodegradable : No applicable.

Non-biodegradable : No applicable.

Bioconcentration or : No available data.

biological

accumulation

Other harmful effects : May cause ecological destruction of drainage, measures must be in

accordance with the data in this safe use recommended use.

Hotline 400-003-0500 www.anbotek.com



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Section 13. Disposal Considerations

Waste disposal methods

: Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. Dispose in accordance with federal, state, and local health and environmental regulations. Prevent materials from entering drains, sewers, or waterways.

Attention abandoned

: Prevent materials from entering drains, sewers, or waterways.

Section 14. Transport Information

Transport Attentions:

According to PACKING INSTRUCTION 965 of IATA DGR 60th Edition for transportation, the special provision 188 of IMDG (inc Amdt 39-18). The batteries should be securely packed and protected against short-circuits. Examine whether the package of the containers are integrate and tighten closed before transport. Take in a cargo of them without falling, dropping, and breakage. Prevent collapse of cargo piles. Don't put the goods together with oxidizer and chief food chemicals. The transport vehicle and ship should be cleaned and sterilized before transport. During transport, the vehicle should prevent exposure, rain and high temperature. For stopovers, the vehicle should be away from fire and heat sources. When transported by sea, the assemble place should keep away from bedroom and kitchen, and isolated from the engine room, power and fire source. Under the condition of Road Transportation, the driver should drive in accordance with regulated route, don't stop over in the residential area and congested area.

UN Number	3481
UN Proper shipping name	Lithium Batteries
Hazard class	Class 9, Miscellaneous Dangerous Substances and articles.
Packaging group (if applicable)	II / PI 967
Packaging label	UN 3481 International

Hotline 400-003-0500 www.anbotek.com



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Section 15. Regulatory Information

TSCA Status:

All components of this product are listed on the TSCA Inventory.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

Reactive hazard: no
Pressure hazard: no
Fire hazard: yes
Immediate/acute: no
Delayed/chronic: no

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This product do not contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right- To-Know Act of 1986 and 40 CFR 372. Any such toxic chemical(s) are shown below. This information must be included in all MSDS's that are copied and distributed for this material.

Clean Water Act

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act,

Section 16. Other Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

***** End of SDS *****

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