

Material Safety Data Sheet

ENGLISH

Date: May 11, 2017 Revision no.: 1

Trade name:	RAMFAN 40V Battery Pack
Product number:	R2-360-AH-U
Manufacturer	Euramco Group 2746 Via Orange Way Spring Valley, CA 91978 United States www.euramco.com
Emergency Contact (INFOTRAC)	1-800-535-5053: US +1-352-323-3500: International
Intended use:	Rechargeable battery for RAMFAN battery powered fans.
Synonyms	Lithium-ion Cell, Lithium-ion Pack, Lithium-ion Battery, Li-Ion Cell, Li-Ion Pack, Li-Ion Battery
Further Information:	Battery System: Lithium-lon (Li-lon) Nominal voltage: 40V Rated Capacity: 6.0 Ah Wh Rating: 216Wh Anode (negative electrode): based on intercalation graphite Cathode (positive electrode): based on lithiated metal oxide (Cobalt, Nickel, Manganese)
Remark:	The information and recommendations set forth are made in good faith and believed to be accurate as of the date of preparation. Euramco Safety Inc. makes no warranty, expressed or implied, with respect to this information and disclaims all liabilities from reliance on it.

Important Safety Information

WARNING:

- Do not open the battery, damage it or allow it to fall from a substantial height.
- Protect battery against short circuiting danger of explosion!
- Protect battery against rain, do not immerse in liquids danger of short-circuiting
- Protect the battery against direct sunlight when not in use.
- Protect the battery against fire and excessive heat.
- Do not incinerate the battery danger of explosion!
- Do not charge or use damaged, defective or deformed batteries.
- Use the battery only with RAMFAN battery powered fans and use only RAMFAN chargers to charge or discharge the battery. It must not be used for any other purposes on account of the high risk of injury.

Important Note: As a solid, manufactured article, exposure to hazardous ingredients is not expected with normal use. This battery is an article pursuant to 29 CFR 1910.1200 and, as such, is not subject to the OSHA Hazard Communication Standard requirement. The information contained in this Safety Data Sheet contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.



Page 2 of 11 Re Product No. R2-360-AH-U

Material Safety Data Sheet

ENGLISH

Date: May 11, 2017 Revision no.: 1

2. Hazards Identification				
Protective Clothing	NFPA Rating (USA)	EC Classification	WHMIS (Canada)	SafeWork (Australia)
Not required with normal use.	0 0	Not classified as hazardous	Not applicable with normal use.	Not classified as hazardous
GHS Hazard Symbol	IATA	JIS (Japan)	Taiwan	China
Not applicable with normal use.		Not classified as hazardous	Not classified as hazardous	Not classified as hazardous

Classification of the substance or mixture		
Preparation Hazards and Classification	The product is a Lithium ion cell or battery and is therefore classified as an article and is not hazardous when used according to the recommendations of the manufacturer. The hazard is associated with the contents of the cell or battery. Under recommended use conditions, the electrode materials and liquid electrolyte are non-reactive provided that the cell or battery integrity remains and the seals remain intact. The potential for exposure should not exist unless the cell or battery leaks, is exposed to high temperatures or is mechanically, electrically or physically abused/damaged. If the cell or battery is compromised and starts to leak, based upon the battery ingredients, the contents are classified as Hazardous.	
Hazard Summary		
Physical hazards:	Not classified for physical hazards.	
Health hazards:	Not classified for health hazards.	
Environmental hazards:	Not classified for hazards to the environment.	
Specific hazards:	Exposure to contents of an open or damaged cell or battery: contact with this material will cause burns to the skin, eyes and mucous membranes. May cause sensitization by skin contact.	
Main Symptoms	Symptoms include itching, burning, redness and tearing.	
Route (s) of Entry	There is no hazard when the measures for handling and storage are followed.	

Hazardous Materials Information Label (HMIS)	
Health:	0
Flammability:	1
Physical Hazard:	0

NFPA Hazard Ratings	
Health:	0
Flammability:	1
Reactivity:	0
Unique Hazard:	



Page 3 of 11 Re Product No. R2-360-AH-U

Material Safety Data Sheet

ENGLISH

Date: May 11, 2017 Revision no.: 1

Labeling

If the cell or battery is compromised and starts to leak, based upon the battery ingredients, the contents are classified as Hazardous

Symbol:











Signal word: Danger

GHS precautionary statements		
Precautionary Statement(s) Prevention	P102: Keep out of reach of children. P103: Read label prior to use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking. P234: Keep only in original container. P254: Wash hands thoroughly after handling.	
Response (If cell/battery leaks)	P260: Do not breathe vapor or spray. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301/330/331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. P303/361/353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304/340: If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P363: Wash contaminated clothing before reuse. P370: In case of fire: Use carbon dioxide, dry chemical or water extinguisher.	
Storage	P402: Store in a dry place. P405: Store locked up. P410: Protect from sunlight.	
Disposal	P406: Store any spilled/leaking electrolyte material in a corrosive resistant container with a resistant inner liner. P501: Dispose of batteries in accordance with applicable hazardous waste regulations.	
Other Hazards		
Appearance, Color and Odor	Solid object with no odor.	
Primary Routes(s) of Exposure:	These chemicals are contained in a sealed enclosure. Risk of exposure occurs only if the cell or pack is mechanically, thermally, electrically or physically abused to the point of compromising the enclosure. If this occurs, exposure to the electrolyte solution contained within can occur by inhalation, ingestion, eye contact and skin contact.	



Page 4 of 11 Re Product No. R2-360-AH-U

Material Safety Data Sheet

ENGLISH

Date: May 11, 2017 Revision no.: 1

Potential Health Effects:	
Acute (short term)	See Section 8 for exposure controls. In the event that this cell or pack has been ruptured, the electrolyte solution contained within the cell would be corrosive and can cause burns to skin and eyes.
Inhalation:	Inhalation of materials from a sealed cell is not an expected route of exposure. Vapors or mists from a ruptured cell may cause respiratory irritation.
Ingestion:	Swallowing of materials from a sealed cell is not an expected route of exposure. Swallowing the contents of an open cell can cause serious chemical burns to mouth, esophagus, and gastrointestinal tract.
Skin:	Contact between the cell and skin will not cause any harm. Skin contact with the contents of an open cell can cause severe irritation or burns to the skin.
Eye:	Contact between the cell and the eye will not cause any harm. Eye contact with the contents of an open cell can cause severe irritation or burns to the eye.
Chronic (long term)	See Section 11 for additional toxicological data

Interactions with other chemicals: Immersion in high conductivity liquids may cause corrosion and breaching of the cell or battery enclosure. The electrolyte solution inside of the cells may react with alkaline (basic) materials and present a flammability hazard.

Potential Environmental Effects: Not Available.

3. Composition/Information on Ingredients			
	Chemical Name	CAS No.	Mass range in cell (g/g %)
Electrolyte	Contains Electrolyte salt and solvents.		5-20
Electrolyte salt	Lithium hexafluorophosphate	21324-40-3	0.05-5
Electrolyte Solvent	Includes one or more of the following; Ethelyne Carbonate Propylene Carbonate Diethyl Carbonate	96-49-1 108-32-7 105-58-8	5-20
PVDF	Polyvinylidenfluoride	24937-79-9	<1
Copper	Cu	7440-50-8	3-15
Aluminium	Al	7429-90-5	2-10
Cathode	Lithium cobalt oxide	12190-79-3	20-50
Anode	Graphite	7782-42-5	10-30
Steel, Nickel, and inert components		Various	Balance

Further Information

Because of the cell structure the dangerous ingredients will not be available if used properly. During charge process a lithium graphite intercalation phase is formed.



Page 5 of 11 Re Product No. R2-360-AH-U

ENGLISH

Material Safety Data Sheet

Date: May 11, 2017 Revision no.: 1

4. First Aid Measures General information The following first aid measures are required only in case of exposure to interior battery components after damage of the external battery casing. Undamaged, closed cells do not represent a danger to the health. After inhalation Ensure of fresh air. Consult a physician. In case of contact with skin wash off immediately with plenty of water. Consult a After contact with skin physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 After contact with eyes minutes. Seek medical treatment by eye specialist. Drink plenty of water. DO NOT INDUCE VOMITING. Call a physician immediately. After ingestion **Protection for First Aiders** Do not enter corrosive vapor contaminated areas without a respirator or Self Contained Breathing Apparatus. Wear adequate personal protective equipment as indicated in Section 8. Eye wash bottle, fountain, safety showers or at least a source of running water **First Aid Facilities** are required in the area where the product is used. Most important symptoms & effects, acute & delayed, caused by exposure: The contents of the battery are rated as corrosive. Ingestion of the electrolyte Acute could lead to severe gastrointestinal tract irritation with nausea, vomiting and potentially burns. Inhalation of vapors may lead to severe irritation of the mouth and upper respiratory tract with a burning sensation, pain, burns and inflammation in the nose and throat; there may also be coughing or difficulty breathing. Eye contact may lead to severe eye irritation or in worst case scenario irreversible damage and possible eye burns. Skin contact may lead to irritation and possible skin burns. Chronic Skin contact may aggravate/exacerbate existing skin conditions, such as dermatitis. Chronic inhalation may lead to the same symptoms as listed for acute inhalation above. Indication of any immediate medical attention and special treatment needed ADVICE TO DOCTOR: Treat symptomatically if the person comes into contact with the corrosive electrolyte liquid contents of a damaged battery. 5. Fire Fighting Measures Suitable extinguishing media Cold water and dry powder in large amount are applicable. Use metal fire extinction powder or dry sand if only few cells are involved. Special hazards arising from May form hydrofluoric acid if electrolyte comes into contact with water. In case the chemical of fire, the formation of the following flue gases cannot be excluded: Hydrogen fluoride (HF), Carbon monoxide and carbon dioxide. Wear self-contained breathing apparatus and protective suit. Protective equipment and precautions for firefighters Additional information If possible, battery pack from fire fighting area. If heated above 125°C, cell(s) can explode/vent. Cell is not flammable but internal organic material will burn if If possible, remove cell(s) from fire fighting area. If heated above 125°C, cell(s) Additional information

the cell is incinerated.

can explode/vent. Cell is not flammable but internal organic material will burn if



Page 6 of 11 Re Product No. R2-360-AH-U

Material Safety Data Sheet

ENGLISH

Date: May 11, 2017 Revision no.: 1

6. Accidental Release Measure	es	
Personal precautions	 As an immediate precautionary measure, isolate spill or leak area for at leas 25 meters (75 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed areas before entering. Wear adequate personal protective equipment as indicated in Section 8. 	
Environmental precautions	 Absorb spilled material with non-reactive absorbent such as vermiculite, clay or earth. Prevent from migration into soil, sewers and natural waterways – inform local authorities if this occurs. 	
Methods and material for containment and cleaning up	Evacuate spill area immediately and remove sources of ignition. Do NOT touch spilled material. Cleanup personnel must be trained in the safe handling of this product. Spills may be absorbed on non-reactive absorbents such as vermiculite. Place cells or batteries into individual plastic bags and then place into appropriate containers and close tightly for disposal. Ensure that cleanup procedures do not expose spilled material to any moisture. Immediately transport closed containers outside. Lined steel drums are suitable for storage of damaged cells or batteries until proper disposal can be arranged.	
7. Handling and Storage		
Handling	Advice on safe handling: Avoid short circuiting the cell. Avoid mechanical damage of the cell. Do not open or disassemble. Advice on protection against fire and explosion: Keep away from open flames, hot surfaces and sources of ignition.	
Storage	Requirements for storage rooms and vessels Storage at room temperature (approx. 20°C) at approx. 20~60% of the nominal capacity (OCV approx. 3.6 - 3.9 V/cell). Keep in closed original container.	
	protection Exposure limit values	
Exposure Control Measures Exposure Limit Values:	Airborne exposures to hazardous substances are not expected when the cells or batteries are used for their intended purposes. Exposure standards are not applicable to the sealed articles.	
Biological Monitoring:	Not applicable.	
Control Banding:	Not applicable.	
Recommended monitoring procedures:	Follow standard monitoring procedures.	
Derived no-effect level (DNEL):	Not applicable.	
Derived minimal effect level (DMEL):	Not applicable.	
Predicted no-effect concentrations (PNECs):	Not applicable.	
Engineering Controls		
Engineering Controls:	Special ventilation is not required when using these products in normal use scenarios. Ventilation is required if there is leakage from the cell or battery.	
Individual Protection Measures	3	



Page 7 of 11 Re Product No. R2-360-AH-U

Material Safety Data Sheet

ENGLISH

Date: May 11, 2017 Revision no.: 1

Skin (Hand) protection: Hand protection is not required when handling the cell or battery during normal use.PVC gloves are recommended when dealing with a leaking or ruptured cell or battery.	Revision no.: 1	
use. Wear long sleeved clothing to avoid skin contact if handling a leaking or ruptured cell or battery. Soiled clothing should be washed with detergent prior to re-use. Respiratory protection: Respiratory protection: During routine operation, a respirator is not required. However, if dealing with an electrolyte leakage and irritating vapors are generated, an approved half face inorganic vapor and gas/acid/particulate respirator is required. Thermal Protection: Not applicable. Other Protective Equipment: Have a safety shower or eye wash station readily available Hygiene Measures: Do not eat, drink or smoke in work areas. Avoid storing food, drink or tobacco near the product. Practice and maintain good housekeeping. Environmental exposure controls: 9. Physical and Chemical Properties Appearance Form: Solid Color: Various Odor: Odourless Important health, safety and environmental information Test method pHValue: n.a. Flash point: n.a. Lower explosion limits: n.a. Vapour pressure: n.a. Density: n.a. Water solubility: Insoluble Ignition temperature: n.a. 10. Stability and Reactivity USA, EU Stability Stable Conditions to avoid Keep away from open flames, hot surfaces and sources of ignition. Do not puncture, crush or incinerate. Materials to avoid No materials to be especially mentioned. Hazardous decomposition In case of open cells, there is the possibility of hydrofluoric acid and carbon monoxide release. Will not occur	Skin (Hand) protection:	use.PVC gloves are recommended when dealing with a leaking or ruptured cell
However, if dealing with an electrolyte leakage and irritating vapors are generated, an approved half face inorganic vapor and gas/acid/particulate respirator is required. Thermal Protection: Not applicable. Other Protective Equipment: Have a safety shower or eye wash station readily available Hygiene Measures: Do not eat, drink or smoke in work areas. Avoid storing food, drink or tobacco near the product. Practice and maintain good housekeeping. Environmental exposure controls: 9. Physical and Chemical Properties Appearance Form: Solid Color: Various Odor: Odourless Important health, safety and environmental information Test method pHValue: n.a. Lower explosion limits: n.a. Lower explosion limits: n.a. Vapour pressure: n.a. Density: n.a. Water solubility: Insoluble Ignition temperature: n.a. 10. Stability and Reactivity USA, EU Stability Stable Conditions to avoid Reep away from open flames, hot surfaces and sources of ignition. Do not puncture, crush or incinerate. Materials to avoid No materials to be especially mentioned. Hazardous decomposition products Will not occur	Skin (clothing) protection:	use. Wear long sleeved clothing to avoid skin contact if handling a leaking or ruptured cell or battery. Soiled clothing should be washed with detergent prior
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Reactions		
Additional information No decomposition if stored and applied as directed.	· · · · · · · · · · · · · · · · · · ·	Will not occur
	Additional information	No decomposition if stored and applied as directed.



Page 8 of 11 Re Product No. R2-360-AH-U

Material Safety Data Sheet

ENGLISH

Date: May 11, 2017 Revision no.: 1

11. Toxicological Information	
Information on toxicological effects:	The hazardous components of the cell or battery are contained within a sealed unit. Under recommended use conditions, the electrode materials and liquid electrolyte are non-reactive provided that the cell or battery integrity remains and the seals remain intact. The potential for exposure should not exist unless the battery leaks, is exposed to high temperature or is mechanically, electrically or physically abused/damaged. The following toxicology data is in respect to if a person comes into contact with the electrolyte.
Acute Toxicity:	
Swallowed:	The electrolyte contained within the cell or battery is a corrosive liquid. Ingestion of this electrolyte would be harmful. Swallowing may result in nausea, vomiting, diarrhea, abdominal pain and chemical burns to the gastrointestinal tract. During normal usage ingestion should not be a means of exposure.
Eye:	The electrolyte contained within the cell or battery is a corrosive liquid and it is expected that it would cause irreversible damage to the eyes. Contact may cause corneal burns. Effects may be slow to heal after eye contact. Correct handling procedures incorporating appropriate eye protection should minimize the risk of eye irritation.
Skin:	The electrolyte contained within the cell or battery is a corrosive liquid and it is expected that it would cause skin burns or severe irritation to the skin if not washed off immediately. Correct handling procedures should minimize the risk of skin irritation. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition.
Inhaled:	Inhalation of vapors from a leaking cell or battery is expected to cause severe irritation of the mouth and upper respiratory tract with a burning sensation, pain, burns and inflammation in the nose and throat; there may also be coughing or difficulty breathing.
Skin Corrosion/Irritation:	The electrolyte contained within the cell or battery is classified as a corrosive liquid and is expected to exhibit Dermal Corrosivity/Irritation.
Serious Eye Damage/Irritation	The electrolyte contained within the cell or battery is classified as a corrosive liquid and is expected to exhibit serious Damage/Corrosivity.
Respiratory or Skin Sensitization:	The electrolyte contained within the cell or battery is not expected to be a skin sensitizer according to OECD test 406, based on the available data and the known hazards of the components. The electrolyte contained within the battery is not expected to be a respiratory tract sensitizer, based on the available data and the known hazards of the components.
Germ Cell Mutagenicity	The electrolyte contained within the cell or battery is not expected to be mutagenic according to test such as OECD tests 471, 475, 476, 478 and 479, based on the available data and the known hazards of the components.
Carcinogenicity:	Th electrolyte contained within the cell or battery is not expected to be a carcinogen. The cathode contains Cobalt and Nickel components. These components are classified as IARC 2B – possibly carcinogenic to humans, however they do not pose a threat when contained in the cell or battery sealed unit.
Reproductive Toxicity:	The electrolyte contained within the cell or battery is not expected to be a reproductive hazard according to test such as OECD tests 414 and 421, based on the available data and the known hazards of the components.



Page 9 of 11 Re Product No. R2-360-AH-U

Material Safety Data Sheet

ENGLISH

Date: May 11, 2017 Revision no.: 1

Specific Target Organ Toxicity (STOT) – Single Exposure:	The electrolyte contained within the cell or battery is corrosive and is expect to cause respiratory irritation by inhalation. Inhalation of vapors may lead to severe irritation of the mouth and upper respiratory tract with a burning sensation, pain, burns and inflammation in the nose and throat; there may also be coughing or difficulty breathing.
Specific Target Organ Toxicity (STOT) – Repeated Exposure:	The cells or batteries are not expected to cause organ damage from prolonged or repeated exposure according to tests such as OECD tests 410 and 412, based on the available data and the known hazards of the components.
Aspiration Hazard:	The cells or batteries are not classified as an aspiration hazard, based on the available data and the known hazards of the components. However, due to the corrosive nature of the product if swallowed, do NOT induce vomiting. If vomiting has occurred after ingestion the person should be observed to ensure that aspiration into the lungs has not occurred and assessed for chemical burns to the gastrointestinal and respiratory tracts.
12. Ecological Information	
Further information	Ecological injuries are not known or expected under normal use. Do not flush into surface water or sanitary sewer system.
13. Disposal Considerations	
Advice on disposal	For recycling consult manufacturer.
Contaminated packaging	Disposal in accordance with local regulations.

14. Transport Information

With regard to transport, the following regulations are cited and considered:

- UN No. 3480
- UN proper shipping name: Lithium Ion Batteries.
- Transport hazard class: 9
- The International Civil Aviation Organization (ICAO) Technical Instructions, Packing Instruction 965, Section I B or II
- The International Air Transport Association (IATA) Dangerous Goods Regulations, Packing Instruction 965, Section I B or II
- The International Maritime Dangerous Goods (IMDG) Code [Special provision 188, 230]
- US Hazardous Materials Regulations 49 CFR(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, Revision 3, Amendment 1 or any subsequent revision and amendment applicable at the date of the type

If those lithium-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 II of either Packing Instruction 966 or 967 in order for that consignment to be declared as NOT RESTRICTED (non-hazardous/non-Dangerous). If those lithium-ion batteries are packed with or contained in an equipment, UN No. is UN3481

Our 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 Testes and Criteria.



Page 10 of 11

Re Product No. R2-360-AH-U

Material Safety Data Sheet

ENGLISH

Date: May 11, 2017 Revision no.: 1

Test results of the UN Recommendation on the Transport of Dangerous Goods				
Manual of Test and Criteria (Lithium battery)		Test Results	Remark	
T1	Altitude Simulation	Pass		
T2	Thermal Test	Pass		
T3	Vibration	Pass		
T4	Shock	Pass		
T5	External Short Circuit	Pass		
T6	Impact	Pass		
T7	Overcharge	Pass	For pack and single cell battery only	
T8	Forced Discharge	Pass		

15. Regulatory Information	
U.S. Regulations	TSCA Status: All ingredients in these products are listed on the TSCA inventory. OSHA: These products do not meet criteria as per Part 1910.1200, manufactured article. SARA EPA Title III: None. Sec. 302/304: None. Sec. 311/312: None. Sec. 313: None. CERCLA RQ: None.
Canadian Federal Regulations:	These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: Not Controlled, manufactured article. New Substance Notification Regulations: Lithium hexafluorophosphate is listed on the Non-Domestic Substance List (NDSL). All other ingredients in the product are listed, as required, on Canada's Domestic Substances List (DSL). National Pollutant Release Inventory (NPRI) Substances: These products do not contain any NPRI chemicals.
EC Classification for the Substance/Preparation:	These products are not classified as hazardous according to Regulation (EC) No. 1272/2008. Keep out of the reach of children.
EU Restrictions on use:	Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended: Aluminium (CAS 7429-90-5)
Other EU Regulations	This Safety Data Sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Japanese Regulations	Japanese Industrial Standards (JIS) JIS Z 7253:2012 Waste disposal and public cleaning law Law for Promotion of Effective Utilization of Resources
Chinese Regulations	General Rule for Classification and Hazard Communication of Chemicals (GB 13690-2009): Specifies the classification, labeling and hazard communication of chemicals in compliance with the GHS standard for chemical production sites and labeling of consumer goods. General Rule for Preparation of Precautionary Labels for Chemicals (GB 15258-2009): Specifies the relevant application methods of precautionary labels for chemicals. Safety Data Sheet for Chemical Products Content and Order of Sections (GB/T 16483-2008)



Page 11 of 11 Re Product No. R2-360-AH-U

ENGLISH

Material Safety Data Sheet

Date: May 11, 2017 Revision no.: 1

Australia and New Zealand	SUSMP: Not applicable AICS: All ingredients are on the AICS list. HSNO Approval number: Not applicable HSNO Group Title: Not applicable NOHSC:10008 Risk Phrases: R34 - Causes Burns. NOHSC:1008 Safety Phrases: S1 - Keep locked up. S2 - Keep out of reach of children. S23 - Do not breathe vapor. S24/25 - Avoid contact with skin and eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S27/28 - After contact with skin, take off immediately all contaminated clothing
	and wash immediately with plenty of water. \$36/37/39 – Wear suitable protective clothing, gloves and eye/face protection. \$56 – Dispose of this material and its container at hazardous waste or special waste collection point. \$62 – If swallowed, DO NOT induce vomiting: seek medical advice immediately and show this container or label. \$64 – If swallowed, rinse mouth with water (Only if the person is conscious).
Taiwanese Regulations	Regulation of Labelling and Hazard Communication of Dangerous and Harmful Materials: Labeling requirements and other relevant provision of chemicals, this product is not classified as dangerous goods. Toxic Chemicals Substance Control Law: Not Listed.

16. Other Information

Distributor take-back / disposal

transport.



On the basis of the Battery Directive, the manufacturers take responsibility for financing collection, treatment and recycling of batteries used in devices. To this end, batteries must be handed over for disposal to the collection systems established for this under national law. Disposal of batteries together with household waste is prohibited, as is indicated by the crossedthrough waste bin. Batteries must be collected separately according to type. Return the battery free of charge to your RAMFAN servicing dealer for disposal or hand it over to an appropriate public collection point.

CNS 1030016 Safety of primary and secondary lithium cells and batteries during

IMPORTANT: Only batteries that have been discharged so that there is no voltage present at the external contacts can be returned. Batteries that are only partially discharged must be returned protected against short-circuiting

Further Information

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations. "(n.a. = not applicable; n.d. = not determined)"

The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.

MS-R2360AHU