Safety Data Sheet					
SDS Format required	Country format:	EU REACH			
Supplier Information:	Company name:	Tussendiepen 4a			
	Address:				
	Tel Number:				
Versuni	Fax number:				
	Email:				
	Website:	www.philips.com			
		www.priiiips.com			
	Contact:				
	Emergency				
Emergency Response Contact:	Number:				
	Times of				
	operation:				
Product name: as on the label Brand / name	Rechargeable Li-ion Battery I0523A 21.6V 2250mAh 48.6Wh				
Synonyms	Lithium-ion Pack, Lithium-ion Battery, Li-ion Pack, Li-ion Battery				
Use / Condition of use:	Lithium-ion batteries NOTE: Hazard statement relates to battery contents. Potential for exposure should not exist unless the battery leaks, is exposed to high temperatures or is mechanically, physically or electrically abused. SDS are intended for use in the workplace ONLY. For domestic-use products, refer to consumer labels.				
UFI number(s) (EU):	N/A				
	Ingre	dient Name	CAS Number	Percentage	
	Lithium Cobalt Oxide		12190-79-3	49.5%	
	Graphite		7782-42-5	16.3%	
	SBR		9003-55-8	0.05%	
	Lithium hexafluc	prophosphate	21324-40-3	10.96%	
Ingredients in percentage:	PVDF		24937-79-9 24937-16-4	0.33% 3.93%	
	Nylon Copper		7440-50-8	6.96%	
	Aluminum		7429-90-5	7.6%	
	Nickel		7440-02-0	0.06%	
	Carboxymethylcellulose		9000-11-7	0.28%	
	Polyethylene		9002-88-4	4.03%	

Physical & chemical properties:					
Container type	N/A				
Appearance		Blue, prismatic, Odorless			
Water miscibility/solubility		N/A			
рН		N/A			
Flash point		N/A			
Physical State					
Odour	N/A	Partition coefficient n-octanol / water		N/A	
Odour threshold	N/A	Auto-ignition temperature (°C)		N/A	
Melting point / freezing point (°C)	N/A	Decomposition tempera	ture (°C)	N/A	
Initial boiling point and boiling range (°C)	N/A	Viscosity (cSt)		N/A	
Evaporation rate	N/A	Molecular weight (g/mo	1)	N/A	
Flammability	N/A	Taste		N/A	
Upper Explosive Limit (%)	N/A	Explosive properties		N/A	
Relative density (Water = 1)	N/A	Oxidising properties		N/A	
Nominal Voltage	21.6V	Surface Tension (dyn/ci	m or mN/m)	N/A	
Total Energy	48.6Wh	Rated Capacity		2.25Ah	
Hazards identification	Health H Chronic	lazards (Acute and)	These chemicals are contained in a sealed can. Risk of exposure occurs only if the battery is mechanically or electrically abused. Contact of electrolyte and extruded lithium with skin and eyes should be avoided A shorted lithium battery can cause		
	Sign/Syr	mptoms of Exposure	thermal and chemical burns upon contact with the skin. May be a reproductive hazardous.		
First Aid Measures	Eye con	tact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.		
	Skin cor	ntact	Remove contaminated clothes and rinse skin with plenty of water of shower for 15 minutes. Get medical aid.		
	Inhalatio	on	Remove from exposure and move to fresh air immediately. Use oxygen if available.		
	Ingestio	n	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.		
	Flash po	oint	N/A		
Fire Fighting Measures	Auto-Ign	nition Temperature	N/A		
	Extingui	shing Media	Dry powder CO2		
	Unusual Hazards	Fire and Explosion	Cell may vent when subjected to excessive heat-exposing battery contents		
	Hazardo Products	us combustion s	Carbon monoxide, carbon dioxide, lithium oxide fumes		

Accidental Release Measures	Steps to be taken in case Material is Released or Spilled	If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. Wipe it up with a cloth and dispose of it in a plastic bag and put into a steel can. The preferred response is to leave the area and allow the batteries to cool and vapors to dissipate. Provide maximum ventilation. Avoid skin and eyes contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerate.		
	Waste disposal method	It is recommended to discharge the battery to the end, handing in the abandoned batteries to related department unified, dispose of the batteries in accordance with approved local, state and federal requirements. Consult state environmental protection agency and/or federal EPA		
	The batteries should not be opened, destroyed, or incinerate, since they may leak or			
	rupture and release to the environment the ingredients that they contain in the hermetically sealed container. Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire. Do not crush or puncture the battery or immerse in liquids.			
Handling and Storage	Precautions to be taken in handling and storing	Avoid mechanical or electrical abuse. Storage preferably in cool, dry, and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not place the battery near heating equipment, nor expose to direct sunlight for long periods.		
	Other Precautions	Batteries may explode or cause burns, if disassembled, crushed, or exposed to fire or high temperatures. Do not short or install with incorrect polarity		
Function Control - Boncond	Respiratory Protection	In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting batteries. Respiratory Protection is not necessary under conditions of normal use.		
Exposure Controls, Personal Protection	Ventilation	Not necessary under conditions of normal use		
Fiotection	Protective Gloves	Not necessary under conditions of normal use		
	Other Protective Clothing or Equipment	Not necessary under conditions of normal use Protection, Protective Gloves, Protective Clothing, and safety glass with side shield.		
	If leaked, forbidden to contact with strong oxidizers, mineral acids, strong alkalis, halogenated hydrocarbons			
	Stability	Stable		
Stability and Reactivity	Conditions to avoid	Heating, mechanical abuse and electrical abuse		
	Hazardous Decomposition Products	N/A		
	Hazardous Polymerization	N/A		
Toxicological Information	Inhalation, skin contact and eye contact are possible when the battery is opened. Exposure to internal contents, the corrosive fumes will be very irritating to skin, eyes and mucous membranes. Overexposure can cause symptoms of non-fibrosis lung injury and membrane irritation			
Ecological Information	When promptly used or disposed the battery does not present environmental hazard. When disposed, keep away from water, rain and snow			
Disposal Considerations	Appropriate method of disposal of substance or prepartion	If batteries are still fully charged or only partially discharged, they can be considered a reactive hazardous waste because of significant amount of not creation, or unconsumed lithium remaining in the spent battery. The batteries must be neutralized through an approved secondary treatment facility prior to disposal as a hazardous waste. Recycling of battery can be done in authorized facility, through licensed waste carrier.		

Transport Information:	UN3480				
	The battery models listed have a Watt-hour rating of no more than 100Wh. And shipment contains no item listed under IATA DGR Special Provision A154 and meets all requirements under UN Manual of Tests and Criteria Part III, subsection 38.3.				
	No ITEMS	No ITEMS		REMARKS	
				Test 1 to 5 must	
	2 Thermal		Pass	be conducted in	
	3 Vibration	1	Pass	sequence on the	
	4 Shock		Pass	same cell or	
		short circuit	Pass	battery	
	6 Impact 7 Overcha	rae	Pass Pass	Only battery do	
	Verena	ige	1 433	need this test item	
	8 Forced of	lischarge	Pass		
	Each package is capable of withstanding a 1.2m drop test in any orientation without damage to cells or batteries contained therein, without shifting of the contents so a allow battery to battery (or cell to cell) contact and without release of contents. Package does not exceed 10kg gross mass.				
		According to IATA-DGR 65th Edition (Effective 1 January 2024)			
Transportation fashion	Air transportation	Packaging complies with the requirements of section IB of Packing Instructions 965 of 65th DGR Manual of IATA Hazard Class: Class 9 For Cargo aircraft only, Forbidden in passenger aircraft, via air shipment SOC no more than 30%			
	Sea transportation	According to IMO IMDG CODE (AMEND 41-22) UN3480, LITHIUM-ION BATTERIES The article is not restricted to IMO IMDG (41-22) Code according to special provision 188. More information concerning shipping, testing, marking and packaging can be obtained Label master at http://www.labelmaster.com. Separate battery 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			
	Land transportation	According to ADR-2023 UN3480, LITHIUM-ION BATTERIES Hazard Class: Not restricted, according to sp188. Package instruction: Strong package, Packaging in accordance to corresponding requirements of sp188. Separate battery 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.			
	Law information				
Regulatory Information	< <dangerous goods="" regulation="">> > <international dangerous="" goods="" maritime="">></international> <classification and="" code="" dangerous="" goods="" of="">></classification> <occupational act="" and="" health="" safety="">> (OSHA)</occupational> <toxic act="" control="" substances="">> (TSCA)</toxic> <consumer act="" product="" safety="">> (CPSA)</consumer> <federal act="" control="" environmental="" pollution="">> (FEPCA)</federal> <the act="" oil="" pollution="">> (OPA)</the> <superfund (300="" 311="" 312="" 313)="" act="" amendments="" and="" iii="" reauthorization="" title="">> (SARA)</superfund> <resource act="" and="" conservation="" recovery="">> (RCRA)</resource> <safety act="" drinking="" water="">> (CWA)</safety> <california 65="" proposition="">></california> </dangerous>				
	<code federal="" of="" regulations="">> (CFR) In accordance with all Federal, State and Local law.</code>				

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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 of his particular purpose