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Sec	tion 1: Identification	on of the Substance or Preparation and	company		
1.1	Trade name:				
1.2	Producer/supplier:	Einhell Germany AG; Wiesenweg 22; 9440	05 Landau / Isar		
	Tel: + 49 9951 959 20	-66 (Information, emergency call) Fax: + 49	9 9951 942 410 843		
	E-Mail: Sicherheitsdat	enblatt@Einhell.com			
	Application:	Rechargeable Lithium Ion battery pack			
Sec	tion 2: Hazards Ide	entification			
2.1	not have to be labell	ubstance or mixture according Regulation (EC) No. ed due to the calculation procedure of the "Gen EU" in the latest valid version.			
2.2	Labelling (Regulation	(EC) No. 1272/2008)			
	Hazard pictograms:	-			
	Signal word: none				
	Hazard description: N	ot applicable.			
	Precautionary statements: P102: Keep out of reach of children.				
2.3	Information concerning particular hazards for human and environment: In the event of exposure to internal contents by opened or injured battery: contact with internal content causes burns to skin, eyes and mucous membranes. May cause sensitisation by skin contact.				
	Can break open or explode at temperatures above 150° C or in the event of a fire, releasing hazardous substances. Hazards from electrical current.				
Sec	tion 3: Compositio	on/information on ingredients			
3.1	Chemical characteriza	ation (preparation): Battery pack with Lithium met	al oxide.		
3.2	Composition	Name of Component	CAS-No.		
	Cathode:	Lithium-Cobalt Oxide (active material) Polyvinyldiene Fluoride (binder) Graphite (conductive material)	<30% 12190-79-3 <10% 24937-79-9 <30% 7782-42-5		
	Anode:	Carbon (active material) Polyvinyldiene Fluoride (binder)	<30% 1333-86-4 <30% 24937-79-9		
	Electrolyte:	Organic Solvent Lithium Salt	<20% 21324-40-3 <20% 554-13-2		
	-	not be opened, heated above 120° C or burned signal barmful under certain conditions. The product	-		
Sec	tion 4: First Aid M	easures			
4.1	General information:	Hazards from electrical current. The batteries exposure can only occur when the cells are m first aid measures therefore only refer to the h ingredients and not on the use of the battery u	echanically abused. The following andling in the case of release of th		



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4.2	Skin contact		ntely remove contaminated clothing. Wash skin with water and soap e thoroughly. In case of skin irritation or allergic reactions, consult a	
4.3	Eye contact:	uninjure burning,	e open eye thoroughly with running water under protection of the d eye for at least 15 minutes. Rest eyes for 30 minutes. If redness, blurred vision or swelling persists, transport to the nearest medical or additional treatment.	
4.4	Ingestion:		nduce vomiting. Supply fresh air. Call for medical help immediately. unconsciousness place patient stably in side position	
4.5	Inhalation: Supply f		resh air; consult doctor in case of complaints. In case of iousness place patient stably in side position for transportation.	
Sec	tion 5: Fire	Fighting Measure	S	
5.1	Suitable exti	nguishing media:	Fire extinguisher class D, CO ₂ , powder or water spray.	
5.2		xtinguishing media	Water with full jet.	
5.3	substance or	sure hazards arising fr preparation itself, its c ucts or from resulting g	om- products can be released. Bursting batteries can be forcibly	
5.4	Special protective equipment for firefighters:		Fire fighting measures, rescue works and clearance works with impact of the smouldering fire fumes or fire gases shou only be carried out with suitable respiratory protective equipment.	
Sec	tion 6: Acci	dental Release M	easures	
Sec 6.1		dental Release Mo	easures Use personal protective clothing. Avoid skin contact. Keep away from ignition sources.	
	Person-relat		Use personal protective clothing. Avoid skin contact. Keep away	
6.1	Person-relat Measures fo protection:	ed safety precautions:	Use personal protective clothing. Avoid skin contact. Keep away from ignition sources.	
6.1 6.2 6.3	Person-relate Measures fo protection: Measures fo	ed safety precautions: r environmental	Use personal protective clothing. Avoid skin contact. Keep away from ignition sources. Do not allow to enter sewers / surface or ground water. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as was according to item 13.	
6.1 6.2 6.3	Person-relate Measures fo protection: Measures fo	ed safety precautions: r environmental r cleaning/absorption: dling and Storage Follow Manufactur operating tempera equipment. Do not short-circuit may o batteries. Do not t	Use personal protective clothing. Avoid skin contact. Keep away from ignition sources. Do not allow to enter sewers / surface or ground water. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as wat according to item 13.	
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8.1	Additional information about design of technical facilities: No further data; see item 7.		
8.2	Ingredients with limit values that require monitoring at the workplace:		
	WEL: not applicable		
8.3	Personal protective equipme	it:	
	Respiratory protection:	Not required if used according to specifications. In case of fire fumes use respiratory protection with A2B2-filters or self-contained respiratory protective device.	
	Protection of hands:	In the event of leakage: Wear protective gloves (chemical resistant), e. nitrile rubber or butyl rubber. The protective gloves to be used must comply with the specifications of EC directive 89/656/EEC and the resultant standard EN 374. Penetration time of glove material: the exac break through time has to be found out by the manufacturer of the protective gloves and has to be observed.	
	Eye protection:	Tightly sealed goggles.	
	Others:		
	General protective and hygie	nic Keep away from foodstuffs, beverages and feed. Use skin protective	
Sect	tion 9: Physical and Che	Compact battery pack with plastic shell. The product neither contains	
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Sect 10.1 10.2 10.3	tion 9: Physical and Che tion 10: Stability and Re Conditions to be avoided: Dangerous reactions:	hands before eating, drinking, smoking and using the toilet. emical Properties Compact battery pack with plastic shell. The product neither contains metallic lithium nor lithium alloys. activity At temperatures over 70° C risk of bursting and withdrawal of electrolyte liquid exists. When cell is exposed to an external short-circuit, it will cause heat generation and ignition. Keep away from open flames, hot surfaces and ignition sources. Do not allow conductive material to touch the battery terminals. Reactions of the electrolyte and the electrodes with water and humidity possible. oducts: None if handled and stored appropriately. In case of fire toxic fumes can be released.	
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Section 13: Disposal Considerations					
		According to official regulations. Batteries have to be collected separately from other wastes. Avoid short-circuits during collecting or string. If damages occur, batteries have to be packed solitary in a plastic bag.			
		Admit to an approved disposal system. Use only approved containers for the collection. EWC: 16 06 05 (other batteries an accumulators).			
Sect	Section 14: Transport Information				
The batteries fulfils the requirements to part III, sub-section 38.3 of the UN Manual of Tests and Criteria.					
Applies to Lithium-Ion Battery Pack contained in equipment:					
	Class 9	UN 3481			
14.1	Transport by road (ADR/RID/GGVSEB):	The product complies with the requirements of special provision 188 of the ADR / RID and is exempt from compliance with the other provisions of ADR / RID.			
		Handle with care. Danger of ignition if the shipping item is damaged. If the package is damaged: Check and repack if necessary.			
		Labeling of packages obligatory if the volume limits of SV 188 are exceeded.			
14.2	Transport by ship (IMDG-Code):	The product complies with the requirements of special provision 188 of the IMDG Code and is exempted from the application of the remaining provisions of the IMDG Code, subject to compliance with the described quantity limits.			
		Labeling of packages obligatory if the volume limits of SV 188 are exceeded.			
14.3	Air transport (ICAO/IATA):	Limit per package: PAX A/C = 5 kg; CAO = 5 kg			
		Labeling of packages obligatory if more than 2 batteries per package resp. more than 2 packages are shipped.			
	Proper Shipping Name:	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT			
	Entry in AWB:	LITHIUM ION BATTERIES in compliance with Section II of PI 966			
		or			
		LITHIUM ION BATTERIES in compliance with Section II of PI 967.			



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Appli	pplies to Lithium-Ion Battery - single packed und shipped:		
	Classe 9	UN 3480	
14.1	Transport by road (ADR/RID/GGVSEB):	The product complies with the requirements of special provision 188 of the ADR / RID and is exempt from compliance with the other provisions of ADR / RID.	
		Handle with care. Danger of ignition if the shipping item is damaged. If the package is damaged: Check and repack if necessary.	
		Labeling of packages obligatory if the volume limits of SV 188 are exceeded.	
14.2	Transport by ship (IMDG-Code):	The product complies with the requirements of special provision 188 of the IMDG Code and is exempted from the application of the remaining provisions of the IMDG Code, subject to compliance with the described quantity limits.	
		Labeling of packages obligatory if the volume limits of SV 188 are exceeded.	
14.3	Air transport (ICAO/IATA)		
	Proper Shipping Name:	LITHIUM ION BATTERIES	
	Section II	not more than 1 package: max. 2 batteries per package	
		PAX: forbidden	
		CAO: max. 1 package, max. 2 batteries	
		Entry in AWB: LITHIUM ION BATTERIES in compliance with Section II of PI 965	
	Section IB	if more than 2 batteries or more than one package	
		PAX: forbidden	
		CAO: max. net weight per package: 10 kg	



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Section 15: Regulatory Information

15.1 Safety, health and environmental regulation / legislation specific for the substance or mixture:

Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE)

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (ROHS II)" Regulation (EU) 2023/1542 of the European Parliament and of the Council of 12 July 2023 concerning batteries and waste batteries, amending Directive 2008/98/EC and Regulation (EU) 2019/1020 and repealing Directive 2006/66/EC

Classification according to German Betriebssicherheitsverordnung (BetrSichV): ---Further regulations, restrictions and prohibitions:

Substances of very high concern, according REACH, Article 57: None.

15.2 Chemical Safety Assessment: Not applicable

Section 16: Other Information

Data do not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product and is based on the present level of our knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The delivery specifications are contained in the corresponding product sheet.

A vertical bar (I) in the left margin indicates an amendment from the previous version.