



TCL HYPERPOWER BATTERIES INC.

Tongfu Rd., Longjin, Shuikou Town, Huicheng District, Huizhou, Guangdong, China 516005

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TCL LITHIUM ION POLYMER BATTERY SAFETY DATA SHEET—PL-685749 (8.14Wh)

Document Number:TCL-098		Revision:01		page 1 of 4	
IDENTITY(As Used on Label and List) Model No: TCL Model: PL-685749(8.14Wh)		Note: Blank spaces are not permitted if any item is not applicable or no information is available, the space must be marked to indicate that.			
Section I					
Manufacturer's Name TCL Hyperpower Batteries Inc		Emergency Telephone Number +86 752-2367676			
Address(Number, Street, City, State, and ZIP Code) Tongfu Road, Shuikou Town, HuiZhou Guangdong, China 516005		Telephone Number for information +86 752-2367676			
Date of prepared and revision, Mar.18th.09					
Section II-Hazardous Ingredients /Identity Information					
Hazardous Components:					
Description:					
None of the ingredients in this product is considered to be hazardous by OSHA (as defined in the OSHA Hazard Communication Standard 29 CFR 1910)					
Chemical Name	CAS No	Approximate % of total weight			
Lithium Cobalt Oxide	12190-79-3	~31			
Carbon	7782-42-5	~21.0			
PVDF	24937-79-9	~ 1.3			
LiPF6	21324-40-3	~11.8			
Ni Metal	7440-02-0	~3.5			
Al Metal	7429-90-5	~9.0			
Cu Metal	7440-50-8	~15.0			
PP	9022-88-4/ 9003-07-0	~5.0			
SBR	25053-09-2	~ 0.4			
Section III – Physical / Chemical Characteristics					
Boiling Point N.A.	Specific Gravity (H ₂ O=1) N.A.				
Vapor Pressure (mm Hg) N.A.	Melting Point N.A.				
Vapor Density (AIR=1) N.A.	Evaporation Rate(Butyl Acctate) N.A.				
solubility in Water Insoluble					
Appearance and Odor Prismatic Shape, odorless					
Section IV – Fire and Explosion Hazard Data					
Flash Point (Method Used) N.A.	Flammable Limits N.A.	LEL N.A.	UEL N.A.		
Extinguishing Media Carbon Dioxide, Dry Chemical or Foam Extinguishers					



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Special Fire Fighting Procedures		N.A.			
Unusual Fire and Explosion Hazards					
Do not dispose of battery in fire or heater –may explode..					
Do not attempt to disassemble or modify the battery in any way –may cause burns.					
Do not short-circuit battery – may cause burns.					
Do not use any chargers other than those recommended by TCL-may explode					
Section V – Reactivity Data					
This material is stable and non-reactive with most materials					
Incompatibility (Materials to Avoid)					
Hazardous Decomposition or Byproducts					
N.A					
Hazardous		May Occur		Conditions to Avoid	
Polymerization				Heating, , mechanical and electrical abuse	
		Will Not Occur		X	
Section VI – Health Hazard Data					
Route(s) of Entry:		Inhalation		Yes	
		Skin		Yes	
		Ingestion		Yes	
Health Hazard (Acute and chronic) /Toxicological information					
These chemicals are contained in a sealed coat. Risk of exposure occurs only if the battery is mechanically or electrically abused. The most likely risk is acute exposure when the gas release vent works. Organic solvent has slight toxicity and can irritate skin and eyes. Lithium salt is irritating to skin, eyes and mucous membranes and should be avoided.					
Carcinogenicity:					
NTP: No		IARC Monograph: No		OSHA Regulated: No	
Medical Conditions Generally Aggravated by Exposure:					
An acute exposure will not generally aggravate any medical condition					
This product is not expected to cause acute or chronic toxicity or skin/eye irritating					
Section VII-First Aid Measures					
First Aid Procedures					
Inhalation- Remove from exposure and move to fresh air immediately. Use oxygen if available					
Ingestion- Not toxic per tests with laboratory animals(rats)					
Skin contact- Remove contaminated cloths and rinse skin with plenty of water or shower for 15 minutes. If irritation persists, get medical aid					
Eye contact- Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, get medical aid					



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Section XIII –Transportation Information		
<p>These products passed the test in accordance with the UN Manual of Tests and Criteria, Part III, sub-section 38.3.</p> <p>They are accord with of the IATA Dangerous Goods Regulations (DGR). They meet all requirements of Special Provision A88,99,154and164. Further information can be found here: http://www.iata.org/whatwedo/cargo/dangerous_goods/index.htm</p> <p>UN No. UN3480</p> <p>Power: <20Wh/cell</p> <p>Prevent short-circuiting: Packing each battery or each battery-powered device when practicable, in fully enclosed inner packagings made of non-conductive material.</p>		
Section XVI – Regulatory Information		
<p>Note: This regulatory information included here should not necessarily all inclusive. None of the ingredients in this product are subjected to be reporting requirements of the CERCLA, the Clean Air Act and Clean Water Act (US). This product is not formulated with, nor do the manufacturing or formulation processes utilize an Class I or II Ozone depleting substances</p>		
Section XV– Other Information		
<p>The recommendations and information contained in this MSDS have been compiled from Sources believed to represent the most current information available when the MSDS was Prepared. However, the manufacturer/distributor of this product provides any warranty. Guaranty or representation as to the correctness or sufficiency of this information. If this product is to be used in large amounts and /or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.</p>		
Section XVI – Measures for fire extinction		
<p>In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture.</p> <p>Fire fighters should wear self- contained breathing apparatus. :</p>		



Transport Information Document

Date: March 14, 2011

3M ID Number: 78-6972-0004-2

Product Description: 3M MPRO REPLACEMENT BATTERY FOR MPRO120/150

Transport Protective Service: PROTECTIVE SERVICE NOT REQUIRED

NMFC Item: 060700

NMFC Sub: 00

NMFC Class: 060.0

Flash Point (Closed-cup): No Flash Point

UNITED STATES DEPARTMENT OF TRANSPORTATION - GROUND (U.S. DOT, 49 CFR)

NOT RESTRICTED, AS PER SPECIAL PROVISION 188, LITHIUM ION BATTERIES OR CELLS

UNITED STATES DEPARTMENT OF TRANSPORTATION - VESSEL (U.S. DOT, 49 CFR)

NOT RESTRICTED, AS PER SPECIAL PROVISION 188, LITHIUM ION BATTERIES OR CELLS

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)

NOT RESTRICTED-LITHIUM ION BATTERIES OR CELLS, PI 965, SECTION II

INTERNATIONAL MARITIME ORGANIZATION (IMO)

NOT RESTRICTED, AS PER SPECIAL PROVISION 188, LITHIUM ION BATTERIES OR CELLS

The classification is authorized by the Competent Authority of the United States of America and may not meet the requirements of other competent authorities.

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