## Material Safety Data Sheet (May 16<sup>th</sup>, 2013)

	Section Identifica	1 – Product and Company tion					
Manufacturer: B	SYD Auto Industry Company						
	· · ·	Shenzhen 518					
Address: NO.3009, BYD Road, Pingshan, Shenzhen, 518 P.R.China Te1:+86-755-89888888							
City: Shenzhen		Emergency call: +86-755	Emergency call: +86-755-89888888				
	Section 2 - Hazard Identification						
Emergency instr	uction: The system will	be stable under the situation of prope	er operation and store. Keep				
the container n	o turn on other side an	d no upside down. Keep the system away	y from high temperature and				
without flame i	n container. Do not dis	smantle the circuit and other componer	nt in the container without				
report.							
Possible hazard	lous access No						
Environment pro	otection No li	ttering					
	Secti	on 3 - Composition Information					
Component		CAS#	% (according to weight)				
Steel			53. 2-56. 9				
LiCoxFe1-xP04(x	<3)		7.6-13				
PVDF		24937-79-9	0. 42-0. 76				
Carbon		7440-44-0	3.1-7				
PTFE			0.09-0.4				
ester			7.4-11.4				
PP			0.9-1.6				
Heat preservati	on material		1. 1-1. 7				
Copper		7440-50-8	7.3-11				
Aluminum		7429-90-5	4. 1-5. 1				
PVC			0.05-0.1				
Fir Control Sys	tem		0.04-0.11				
Wire			2. 7-3. 7				
CO <sub>2</sub>			0.02-0.04				
		第 4 部分 - 急救措施					
	Sec	ction 4 - First Aid Measures					
C1 :	Remove contaminated clothes and shoes immediately. Wash the adherence or contact region						
Skin contact	with soap and plenty of water. Seek medical attention immediately.						
Eye contact	Immediately flush eyes with water continuously for at least 15 minutes. Seek medical						
	attention immediately.						
Inhalation	Cover the victim in a blanket, move to the place of fresh air and keep quiet. Seek medical						
	attention immediately. When dyspnea (breathing difficulty) or asphyxia (breath-bald),						
	give artificial respiration immediately.						
Ingestion	Get medical aid. Do	Get medical aid. Do not induce vomiting. Get medical attention immediately.					
	Secti	ion 5 - Fire Fighting Measures					
Suitable Exting	uisher FM200. Dry po	wer, sand, carbon dioxide (CO2).					

Unsuitable		Water			
Extinguisher					
Specific hazards		Risk of bursting when it is exposed to fire.			
Special protective		In the event of a fire, wear full protective clothing and self-contained breathing			
equipment for		apparatus with full facepiece operated in the pressure demand or other positive			
firefighters	101	pressure mode.			
111 et ignéel 5		Section 6 - Accidental Release Measures			
Personal precautions		No entrance without approval			
Environmental	0115	Do not throw raw material into the environment.			
precautions		bo not throw raw material into the environment.			
Methods and material		Dilute the leaked ester with water and neutralize with diluted sulfuric acid,			
for cleaning up	101	when the leaked ester of container has leakage. The leaked solid is moved to a			
ioi cicaning ap		vessel. The leaked place is fully flushed with water.			
		Section 7 - Handling and Storage			
	Techni	ical measures: Prevention of user exposure; not necessary under normal use.			
		ntion of fire and explosion: Not necessary under normal use.			
	Precaution for safe handling: Do not dismantle the component in the cabinet .				
		fic safe handling advice:			
Handling	Never	Never throw out container in a fire or expose to high temperatures.			
-	Do not	soak container in water and seawater.			
	Do not	expose to strong oxidizers.			
		Do not give a strong mechanical shock or throw down. Never disassemble, modify or deform.			
	Do not touch the component in the container casually.				
	Storag	Storage conditions (suitable to be avoided)			
	Avoid direct sunlight, high temperature, and high humidity.				
	Store in cool place (temperature: $-10 \sim 45^{\circ}$ C, humidity: $45 \sim 85\%$ ).				
Storage	Incompatible products				
	Conductive materials, water, seawater, strong oxidizers and strong acids.				
	Packir	cking material (recommended, not suitable)			
		plative and tear-proof, waterproof materials are recommended.			
		Section 8 - Exposure Controls and Person Protection			
Engineering contr	ol	N/A			
Occupational ex	posure	N/A			
limits					
Eye protection		When handling leaking ester. Wear appropriate protective eyeglasses or chemical			
		safely goggles as described by OSHA's eye and face protection regulations in			
		29 CFR 1910 or European Standard EN166.			
Skin protection		Use neoprene, rubber or nitrile gloves when handling leaking batteries to			
		prevent skin exposure.			
Breathing system		When it is possible to contact with hazardous gas, Non-powered air-purifying			
protection		respirators or isolated respirator must be wear.			
Clothing Wear appropriate protective clothing to minimize contact with skin.					
		Section 9 - Physical and Chemical Properties			
Appearance and od	or	N/A			

Odor threshold			N/A		
РН			N/A		
Melting/freezing point			N/A		
Initial boiling point			N/A		
Flash point			N/A		
Evaporation rate			N/A		
Inflammability (solid	and gas	s state)	N/A		
Lowest flammable limit % (V/V)			N/A		
High flammable limit % (V/V)			N/A		
Vapor pressure (Kpa)			N/A		
Sublimation point (℃)			N/A		
Density (water=1)			N/A		
Relative Density (air=	1)		N/A		
Solubility			不溶于水Insoluble in water		
Partition coefficient:	n-octa	nol/water	N/A		
Automatic ignition tem	peratur	·e (℃)	N/A		
Decomposition temperat	ure		N/A		
		Section 10 - Stabi	lity and Reactivity		
		All of the components	in the container are stable under storage conditions		
Chemistry Stability		described in Section 7.			
Possibility of haz	ardous	No occurrence.			
reaction					
Conditions to avoid		Direct sunlight, high temperature and high humidity.			
		Do not heat above 100 $^\circ\!\mathrm{C}$ (212 $^\circ\!\mathrm{F}$ ), incinerate, or expose contents to water.			
Incompatible material		Strong oxidizing property, strong acid.			
Hazardous decomposition		N/A			
product					
		Section 11 - Toxic	ological Information		
None unless internal m	aterial	s are exposed. Toxic i	nformation is available on the ingredients noted in		
			atteries as used by customers.		
			d, electrolyte and organic solvents has small toxicity		
and may cause irritati	on of s		gas may also cause irritation of skin of eyes.		
			ogical Information		
Ecological toxicity		a available.			
Environmental	Since a the internal materials remain in the environment, it can't be degradad				
		Do not throw out into the environment.			
Bioaccumulation	No inf	Cormation.			
D' 1	411 (	_	osal Considerations		
Disposal measures All of them can be recycled					
Section 14 - Transportation					
UN Number		No file			
PROPER SHIPPING NAME No fi Packaging Group No fi					
Packaging Group No fi		te			

Sea contamination	No				
	National regulations for transport land GB12268				
	This battery type is classified as dangerous goods for transport, because the				
National regulations	watt-hour rating of the battery exceeds 100 Wh. We also declare that this battery				
	type meets the requirements of each test in the UN Manual of tests and Criteria				
	Part III, Subsection 38.3 (ST/SG/AC.10/11/Rev.4)				
	Section 15 - Regulatory Information				
Major applicable regula	Major applicable regulations for the transportation are as follows:				
SARA 313 Regulated Chem	nical (s)				
California Prop. 65					
The UN Model Regulation	The UN Model Regulations, United Nations ST/SG/AC. 10/1/Rev 16. Recommendations on the Safe Transport of				
Dangerous Goods					
The International Civil	Aviation Organization (ICAO) Technical Instructions for the Safe Transport of				
Dangerous Goods by Air	Transport				
The International Air 7	Cransport Association (IATA) Dangerous Goods Regulations (52st Edition 2011)				
	Organization (IMO) International Maritime Dangerous Goods Code (IMDG Code) Amdt.				
34-08 2008					
OSHA Hazard communicati	Con standard (29 CFR 1910)				
	HazardousNon-hazard				
Section 16 - Other Information					
The information contain	ed in this Safety data sheet is based on the present state of knowledge and current				
legislation.					
This safety data sheet	provider guidance on health. Safety and environmental specs of the product and				
should not be construed as any guarantee of technical performance or suitability for particular					
applications.					
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File made by personnel					
Date	2013				

The material safety data sheet is furnished to every manufacturer as a reference to secure the safe handling of chemical. Every manufacturer is requested to carry out appropriate actions for chemical handling as their own responsibility. The supplier makes no warrantee, either express or implied. Concerning of this products, User assumes all risks resulting from its use.