


## 物質安全資料表

### Material Safety Data Sheets

一. 物品與廠商資料 PRODUCT AND COMPANY IDENTIFICATION	
物品名稱 Product Name	低溫複合皂油脂 MP Li GREASE
其它名稱 Other Means of Identification	Cermaic Grease
建議用途及限制使用 Recommended use of the Chemical and restrictions on use	耐高低溫長壽命之軸承用油脂 Can withstand high and low temperature and long-term lubrication.
製造商或供應商名稱、地址 Supplier's Name & Address	Lifu Bicycle Co., Ltd.
緊急聯絡電話/傳真電話 Emergency Tel. Number	Tel:+886-02-2268-7367 Fax:+886-02-2268-1947

二. 危害辨識資料 HAZARD IDENTIFICATION		
標示內容 GHS label elements, including precautionary statements	象徵符號 Symbols	
	警示語 Signal word	警告 Warning
	危險警告訊息 Hazard statement	誤食可能有害。 May be harmful if swallowed (oral) 長期皮膚接觸可能造成皮膚刺激。 Prolonged skin contact may cause irritation. 眼睛接觸可能造成刺激。 Eye contact may cause eye irritation. 對水中生態環境可能造成不良影響,勿將污水倒入地下水道。 Can be toxic to aquatic life. Keep out of sewers and waterways.
	危害防範措施 Precautionary	穿戴適當的防護及手套。 If necessary, wear eye protective glasses and use rubber gloves.

	statement	蓋緊並儲放於陰涼乾燥通風良好之處。 Keep tightly closed in a dry, cool and well-ventilated place.
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其他危害 Other hazards which do not result in classification	無 None
物品危害分類 Classification of the substance or mixture	在正常條件下使用,無特別之危險 None, under normal usage.

三.成份辨認資料 COMPOSITION/INFORMATION ON INGREDIENTS			
混合物 Mixtures			
添加劑	CAS NO.	N/A	<30%
Silicon	CAS NO.	7440-50-8	<10-20%
石蠟基油	CAS NO.	8012-95-1	<40-60%

四.急救措施 FIRST-AID MEASURES		
不同暴露之急救方法 Description of Necessary first-aid measures	吸入 Inhalation	如傷者感到頭暈或噁心,請立即移往空氣流通處,但是通常此情形不會發生 It normally may not happen but please move personnel to better air surround if feel dizzy or nausea
	皮膚接觸 Skin Contact	立即以大量清水沖洗;如仍不適立即就醫。 Immediately flush with plenty of water. If Irritation develops, get medical attention. Take off cloth and wash clean immediately.
	眼睛接觸 Eye Contact	立刻用大量清水沖洗至少 15 分鐘;如仍不適立即就醫。 Immediately flush with plenty of Water for at least 15 minutes, if irritation Persists, get medical attention.
	食入 Ingestion	用水漱口,並且不要催吐,如有不適請立即就醫

		Rush to hospital if feel sick and please wash mouth but do not induce vomiting
最重要症狀及危害效應 Most important symptoms/effects, acute and delayed		導致眼睛刺激及皮膚刺激 Cause eye and skin irritation.
對急救人員之防護 (PPE) for first-aid responders		無 None
對醫師之提示 Indication of immediate medical attention and special treatment needed		吸入肺中可導致化學性肺炎,長期或是反覆暴露可能引起皮膚炎,遇到高壓注射創傷,為了減少破壞組織與喪失機能,需要立刻作外科處理,可能的話使用類固醇療法 Inhalation of the lungs can cause chemical pneumonia. Long-term or repeated exposure may cause dermatitis. In case of high-pressure injection wounds, in order to reduce damage to tissues and loss of function, immediate surgical treatment is needed. If possible, use steroid therapy.

五、滅火措施 FIRE-FIGHTING MEASURES		
適用滅火劑 Suitable extinguishing media		二氧化碳、化學乾粉滅火器、泡沫滅火器、 Water、Dry chemicals、Foam.
滅火時可能遭遇之特殊危害 Specific hazards arising from the Chemicals		燃燒可能形成在空氣中傳播的固體、液體微粒及氣體的複雜混合物,包括一氧化碳和未能辨識的有機或是無機複合物 Combustion may form solid mixtures of liquids, liquid particles and gases, including carbon monoxide and unidentified organic or inorganic compounds.
特殊滅火程序 Specific methods		不適合使用水柱滅火,應該避免使用鹵類滅火器 Not suitable for water type fire extinguishing, halogen fire extinguishers should be avoided
消防人員之特殊防護設備 Special protective equipment and Precautions for fire fighters		需穿戴呼吸面罩及全套防護設備 As in any fire, wear self-contained breathing apparatus Pressure-demand, MSHA/NIOSH(approved or Equivalent) and full protective gear.

六.洩漏處理方法 ACCIDENTAL RELEASE MEASURES
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個人應注意事項 Personal precautions, Protective equipment and Emergency procedures	穿戴個人防護裝備 Use personal protective equipment
環境注意事項 Environmental precautions	該物質會污染水質生態,勿直接將污水倒入排水管中。 This material is a water pollutant and should be prevented from Contaminating soil or from entering sewage and drainage Systems and bodies of water.
清理方式 Cleaning up methods	少量洩漏:以砂或其它適合材質將其吸乾,並置入密封容器中。 Small spill: Clean up with sand or other suitable absorbing Materials. Carefully scoop or sweep up into a Waste container for disposal. 大量洩漏:以同上述吸乾材質實施清除工作.若在公共場合 ,需隔離人員勿接近該污染區,並通知有關單位。 Large spill: Implement cleanup procedures by using the above- Mentioned absorbing materials. Keep public away and advise Authorities.

七. 安全處置與儲存方法 HANDLING AND STORAGE	
處置 Precautions for safe handling	避免接觸眼睛及皮膚 Avoid contact with skin, eyes, clothing
	操作後立即清洗 Wash thoroughly after handling
	不可回收空桶包裝使用於飲料或液體 Do not reuse this packaging for storing beverages or liquids
	不可與其它化學品混合 Do not mix with other chemicals
儲存 Storage	在通風陰涼處儲存原密閉桶 Keep tightly closed in a dry, cool and well-ventilated place

八. 暴露預防措施 EXPOSURE CONTROLS / PERSONAL PROTECTION			
工程控制 Appropriate engineering controls	工作空間:不需特殊設備,整體換氣-自外界導引新鮮空氣進來 ,以稀釋作業場所中含有污染物之空氣。 Working area: No special ventilation requirements. General Room ventilation is adequate.		
暴露限值 Engineering Control:			
Olimist	SDHM 1995	短時間時量平均容許濃度 TWA	5 毫克/立方米 5mg/m <sup>3</sup>

TRIPHENYL PHOSPHATE	SDHM1995	短時間時量平均容許濃度 TWA	3 毫克/立方米 3mg/m <sup>3</sup>
個人防護設備 Personal Protection Equipment (PPE)			
呼吸防護 Respiratory protection	按說明使用產品時無特別需要.如噴霧使用需戴防護器具. No information available under normal use conditions. Need protection when spray.		
眼睛防護 Eye protection	按說明使用產品時無需特別需要,如噴霧使用需戴防護器具. Wear eye protection glasses when spray.		
手部防護 Hand protection	請使用橡膠手套 Use rubber gloves		
皮膚及身體防護 Skin and body protection	按說明使用產品時無需特別需要 Wear protection clothes to prevent skin contact.		
衛生措施 Hygienic measures	維持良好之作業清潔 Handle in accordance with good industrial hygiene and safety practice.		

九、物理及化學性質 PHYSICAL AND CHEMICAL PROPERTIES			
外觀 Appearance			
物質狀態 Physical State	在室溫下為半固體 Semi-solid at room temperature	顏色 Color	白色 White
形狀 Shape	膏狀 cream	氣味 Odor	溫和 Moderate
pH 值 pH Value	非強鹼強酸 neutral	嗅覺閾值 Odor threshold	未測定 N/A
熔點/熔點範圍 Melting point/range	無 None	沸點/沸點範圍 Boiling point/range	>250°C
可燃性 Flammability	不可燃 Non-Flammable	閃火點 Flash point	230°C
分解溫度 Decomposition Temperature	無 None	自燃溫度 Auto-ignition temperature spontaneous combustion	>320°C
蒸氣壓 Vapor pressure	未測定 N/A	爆炸界限 Upper/lower	未測定 N/A

		flammability or Explosive limits	
密度 Density	0.90	蒸氣密度 Vapor density	大於 >1
辛醇/水分配系數 Partition coefficient (n-octanol/water)	未測定 N/A	溶解度 Solubility	溶於水中易乳白色 Soluble in water
揮發速率 Evaporation Rate	未測定 N/A		

十、安定性及反應性 STABILITY AND REACTIVITY	
安定性 Chemical stability	穩定 This product is stable
特殊情況下可能之危害反應 Possibility of hazardous reactions	未測定 N/A
應避免之狀況 Conditions to avoid	避免高溫或極低溫狀態 Avoid high and extreme low temperature,
應避免之物質 Incompatible materials	強氧化劑如硝酸、硫酸等 Strong oxidizers such as nitric and sulfuric acids
危害分解物 Hazardous decomposition products	無 None

十一、毒性資料 TOXICOLOGICAL INFORMATION		
暴露途徑 Routes of exposure	皮膚接觸、眼睛接觸、吸入 Skin contact, eye contact, inhalation	
症狀 Symptoms	皮膚接觸 Skin contact	可能造成皮膚刺激過敏 May cause skin irritation
	眼睛接觸 Eye contact	造成眼睛刺激 Cause eye irritation
	吸入 Inhalation	無 None
	吞食 Ingestion	非暴露之途徑 Not likely route of exposure. 若不慎吞食,可能引起腸胃刺激不適、嘔吐。 If swallowed, May cause gastrointestinal disturbances, vomiting.

急毒性 Acute toxicity	無 None
局部效應 Interactive effects	未測定 N/A
慢毒性或長期毒性	長期皮膚接觸會引起過敏性皮膚炎 Prolonged skin contact may cause irritation

十二、生態資料 ECOLOGICAL INFORMATION	
生態毒性 Toxicity	未測定 N/A
持久性及降解性 Persistence and degradability	半衰期(空氣):未測定 Air: N/A 半衰期(水表面):未測定 Water: N/A 半衰期(地下水):未測定 Groundwater: N/A 半衰期(土壤):未測定 Soil: N/A
生物蓄積性 Bio-accumulative potential	預期在水中生物體之蓄積性:中度 Moderate
土壤中之流動性 Mobility in soil	不易流動性 Low Mobility
其它不良效應 Other adverse effects	未測定 N/A

十三、廢棄處理方式 DISPOSAL CONSIDERATIONS	
廢棄處置方式 Disposal methods	依當地法規及規定處理 Dispose of according to local applicable regulations

十四、運送資料 TRANSPORT INFORMATION	
聯合國編號 UN No.	無 None
聯合國運輸名稱 UN Proper shipping name	無 None
運輸危害分類 Transport hazard class	無 None
包裝類別 Packing group	Plastic container
海洋污染物 (是/否) Marine pollutant (Y/N)	否 No
特殊運送方法及注意事項 Special precautions	無 None

十五、法規資料 REGULATORY INFORMATION	
適用法規	
1. 勞工安全衛生設施規則 Regulation on the Labour Safety and Health Facilities	
2. 危險物及有害物通識規則 General Rule on Dangerous Harmful Materials	
3. 勞工作業環境空氣中有害物容許濃度標準 Standards on the concentration Limits of Harmful Materials in the Air at Workplace	
4. 道路交通安全規則 Road Traffic Safety Rules	
5. 事業廢棄物貯存清除處理方法及設施標準 Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste	

十六、其他資料 OTHER INFORMATION		
參考文獻 Reference	GHS 危害物質危害數據資料-	
製表單位 Prepared by	名稱 Company name	
	地址/電話 Address/Tel.	
製表人 Prepared by	職稱: 總經理 Title: G. Manager	
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