

## 【化学品安全技术说明书-MSDS】

### 1) 有关化学品和公司方面的信息

品名	L-CKC 220中负荷工业闭式齿轮油	
一般特征	油溶性液体	
用途	L-CKC 220中负荷工业闭式齿轮油适用于设备的润滑、冷却、降温、密封等	
制造商	中国石油化工股份有限公司润滑油分公司	服务电话 800-810-9886
供应商	中国石油化工股份有限公司润滑油分公司	服务热线 400-810-9886
网址	<a href="http://www.sinolube.com">www.sinolube.com</a>	
制作日期	2008-03-24	

### 2) 构成成分的名称及含有量

化学物质名	组成成分	含量, Wt%
添加剂	混合物	<20
基础油	混合物	80-100

### 3) 危险及有害性

危险·有害性信息	IARC根据动物试验, 没有发现有力证据证明该产品致癌。通常情况下本产品不会危害健康, 过度接触可能会对眼睛、皮肤、呼吸等产生刺激性。
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### 4) 应急措施的要领

进入眼睛时	用洁净流水清洗15分钟以上, 接受医生的诊疗
接触皮肤时	把沾染的部位擦拭干净后用香皂清洗, 必要时就医
吸入时	脱离接触区域, 吸入新鲜的空气, 必要时接受医生的诊断
食入时	不要强行呕吐, 立即接受医生诊疗
医生的注意事项	根据病人症状进行治疗

### 5) 发生爆炸火灾时的应对方法

灭火剂	二氧化碳、干粉、泡沫、喷雾灭火器等
灭火方法	喷洒
燃烧时发生的有害物质	不完全燃烧时产生浓烟、一氧化碳, 硫氧化物, 醛及其他分解成分
不可以使用的灭火剂	水

### 6) 发生漏油时的应对方法

保护措施	当发生泄漏时, 在清除泄漏的油剂时, 采用防护器材来保护人体
泄漏处理	大量泄漏时用真空泵抽到容器中, 少量可用粘土、沙子等吸附, 装入密封容器中处理掉

### 7) 使用及储存方法

储存管理	禁止储存在敞口容器中。在阴凉、干燥、通风好的地方保存, 禁止与火苗, 火花, 高温物体的接触
空容器处理	空容器可能还残留部分产品, 勿切割、焊接, 勿暴露在高温、火焰中等

<b>8) 防止泄漏及个人防护器</b>			
管理方法	尽量存放在室内，使用后确认封口密封，防止油液泄漏		
对呼吸道的防护	高浓度区域请使用防毒口罩		
对眼睛防护	请使用保护眼镜		
对手的防护	请使用耐油性,耐化学性的防护手套		
对身体保护	请使用非渗透性的安全服装及安全鞋		
卫生注意事项	作业后用水清洗，擦拭护肤霜来保护皮肤		
<b>9) 物理化学特性</b>			
外观	棕色透明液体	气味	无异味
闪点（开口），℃ (GB/T 3536)	>200		
<b>10) 安全性及反应性</b>			
稳定性	稳定（室温）		
保管要求	远离强氧化剂，火源等		
有害分解物质	周围环境温度下不会分解		
聚合反应	不发生		
<b>11) 有关毒性方面的信息</b>			
毒害信息	急性经口毒性实验（一次最大限度试验）雌性、雄性小鼠LD50 均大于5000mg/kgBW,为实际低毒。急性吸入毒性实验（一次最大限度试验）：雌性、雄性小鼠LC50 均大于10000mg/m <sup>3</sup> ,为实际低毒。		
<b>12) 对环境的影响</b>			
水性及生态毒性	在长期渗透下，有可能发生生态毒性		
移动性	样品排入环境中，会影响到土壤等		
残留性及分解性	可期望进行生物降解		
生物体内储积的可能性	产品为非水溶性，因此被水中生物吸收的可能性非常低		
<b>13) 废弃时的注意事项</b>			
废物排放办法	分类回收，符合相关规定的可进行燃烧处理或重复利用		
废弃时的注意事项	请使用个人防护设备(防护眼镜，防护手套，防护口罩等)，在空容器里加热有可能发生爆裂		
<b>14) 有关运输方面的信息</b>			
运输信息	运输部门有责任按所有的法律、法规和规定要求来运输货物		
<b>15) 法律规章制度的现况</b>			
国家政府规定	中华人民共和国固体废物污染环境防治法		
当地政府规定	地方政府水污染排放标准		
<b>16) 其他参考事项</b>			
其他材料	可通过销售部门和技术服务部门获得其它信息和手册		

## 【 Material Safety Data Sheet—MSDS 】

<b>1) PRODUCT AND COMPANY IDENTIFICATION</b>			
Product name	L-CKC 220 Moderate Duty Industrial Gear Oil		
Common characters	liquid can be dissolves in oil		
Use	L-CKC 220 Moderate Duty Industrial Gear Oil be used in the equipment for lubricating, cooling and airproofing etc.		
Producer	LUBRICANT COMPANY, SINOPEC CORP.	Service tel.	800-810-9886
Supplier	LUBRICANT COMPANY, SINOPEC CORP.	Hot line	400-810-9886
Website	<a href="http://www.sinolube.com">www.sinolube.com</a>		
Compile Date	2008-03-24		
<b>2) COMPOSITION/INFORMATION ON INGREDIENTS</b>			
	Chemical name	Ingredients	Content, Wt%
	additive	mixture	<20
	Base oil	mixture	80-100
<b>3) HAZARDS IDENTIFICATION</b>			
Potential effects	health	The International Agency for Research on Cancer (IARC) has determined there is sufficient evidence for the carcinogenicity in experimental animals of used the oil. Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eyes, skin or respiratory irritation.	
<b>4) FIRST AID MEASURES</b>			
Eye	Flush with water for 15 minutes. If irritation occurs, get medical attention.		
Skin	Flush skin with water, and then wash with soap and water. Get medical attention.		
Inhalation	Remove victim to fresh air and provide oxygen. Get medical attention.		
Ingestion	Do not induce vomiting. Get medical attention.		
Note to Physician	Cure according to symptom		
<b>5) FIRE FIGHTING MEASURES</b>			
Extinguishing media	Carbon dioxide, foam, dry chemical and water fog.		
Extinguishing Method	spray		
Combustion products	Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.		
Forbidden media	water		
<b>6) ACCIDENTAL RELEASE MEASURES</b>			
Protective Measures	Wear appropriate personal protective equipment when cleaning up spills. FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.		
Spill Management	FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.		
<b>7) HANDLING AND STORAGE</b>			
Storage	Do not store in open or unlabeled containers. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high		

Empty container warning	temperatures. Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME.		
<b>8) EXPOSURE CONTROLS/PERSONAL PROTECTION</b>			
Exposure controls	Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits.		
Respiratory Protection	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn.		
Eye Protection	Chemical Goggles, or Safety glasses with side shields		
Hand Protection	Use protective gloves which is chemically resistant to this material		
Personal protection	Use protective clothing and shoes which are chemically resistant to this material.		
Note to sanitation	Wash hands with water and use cosmetic to protect		
<b>9) PHYSICAL AND CHEMICAL PROPERTIES</b>			
Appearance	Brown and transparent liquid	Odor	No peculiar smell
Flash point (COC) °C (GB/T 3536)	>200		
<b>10) REACTIVITY AND STABILITY</b>			
Stability	Stable (at room temperature)		
Conditions and materials to avoid	Extreme heat and high energy sources of ignition and strong oxidizers		
Hazardous decomposition product	Product does not decompose at ambient temperatures.		
Hazardous polymerization	Will not occur.		
<b>11) TOXICOLOGICAL INFORMATION</b>			
Acute Toxicity	ORAL TOXICITY (RATS): Practically low toxic (LD50: greater than 5000mg/kgBW). —Based on testing of similar products and/or the components. INHALATION TOXICITY (RATS): Practically low toxic (LC50: greater than 10000mg/m3). —Based on testing of similar products and/or the components.		
<b>12) ECOLOGICAL INFORMATION</b>			
Ecological toxicity	Though long time infiltration, it may produce ecological toxicity		
Mobility	When released into the environment, adsorption to sediment and soil will be the predominant behavior.		
Persistence and degradability	This product is expected to be inherently biodegradable		
Bioaccumulative potential:	Bioaccumulation is unlikely due to the very low water solubility of this product; therefore bioavailability to aquatic organisms is minimal.		
<b>13) DISPOSAL CONSIDERATIONS</b>			
Waste disposal	Product is suitable for burning in an enclosed, controlled burner for fuel value. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility.		

Note to release	Use protection things ,including protection gloves ,glasses and respirator, because explosion may happen heating in the container
14) TRANSPORT INFORMATION	
Transport	The transport department work abiding by all the law ,rule and regulations
15) REGULATORY INFORMATION	
National regulation	Solid waste pollution prevention and cure law of The People' s Republic of China
State Regulation	Water pollution standard of local government
16) OTHER INFORMATION	
Other data	Get information and manual from the market department or technology department