

材料安全数据表

MATERIAL SAFETY DATA SHEET

Prepared For : Dongguan City NuoZheng mechanical Equipment Co.,Ltd.

申请商

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Issue Date

发 行 日 期

: 2025.08.19

Report Number

报告编号

: AOC250819003S

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(制作)

Approved by: Robin Lin

(批准)

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* The MSDS is prepared based on the information provided by client. The contents and formats of this MSDS are revised as per client's request.这份材料安全数据表是根据客户提供的信息编辑，其内容和格式按客户要求来修订。

Section 1-Chemical Product and Company Identification

第一部分-化学品及企业标识

Product Name 产品名称	L-CKC 150 Industrial Gear Oil L-CKC 150工业闭式齿轮油
Model 型号	N/A
Trade Mark 商标	长城润滑油
Ratings 额定参数	N/A
Weight 重量	16kg
Manufacturer 制造商	Sinopec Lubricants Company Limited 中国石油化工股份有限公司润滑油分公司
Manufacturer Address 制造商地址	No. 6, West Anningzhuang Road, Haidian District, Beijing 北京市海淀区安宁庄西路6号
Emergency Telephone 应急电话	00-86-400-810-9886
Fax 传真	00-86-10-82410856

Section 2- Composition Information

第二部分-成分信息

Chemical Composition 化学成分	Chemical Formula 化学式	CAS No. CAS号	Weight (%) 重量含量 (%)
Refined mineral base oil 精炼矿物基础油	/	mixture 混合物	90-99
alkyl alcohol 烷基醇	$C_nH_{2n+1}OH$	67-63-0	0.01-0.1

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Section 3- Hazards Identification

第三部分-危险性概述

Emergency overview 紧急情况概述	N/A 不适用
Classification according to GHS GHS分类	No harm. 无危害
Label elements: 标签元素	
Hazard pictogram(s) 危险标签图	Not Applicable 不适用
Signal word 提示语	Not Applicable 不适用
Hazard statement(s) 危险声明	<p>Physical hazard: According to the GHS standard, it is not classified as a hazardous substance.</p> <p>Health hazard: According to the GHS standard, it is not classified as a health hazard substance.</p> <p>Environmental hazard: According to the GHS standard, it is not classified as an environmentally hazardous substance.</p> <p>物理性危害: 按照GHS标准, 未被归类为有害物质。</p> <p>健康危害: 按照GHS标准, 未被归类为健康危害物质。</p> <p>环境危害 按照GHS标准, 未被归类为环境危害物质。</p>
Precautionary statement(s): 预防声明	
Prevention 预防	Not Applicable 不适用
Response 反应	Not Applicable 不适用
Disposal 废弃处理	Not Applicable 不适用
Environmental hazards: 环境危害	No relevant information 无相关信息
Important symptoms: 重要症状	<p>According to animal experiments, no strong evidence has been found to prove that this product causes cancer. Under normal circumstances, this product does not pose a threat to health. Excessive exposure may cause irritation to the eyes, skin, breathing, etc. Improper cleaning may clog the pores of the skin, leading to diseases such as oily comedones and folliculitis. Used oil may contain harmful impurities.</p> <p>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。不适当清洗, 可能会阻塞皮肤毛孔, 导致油脂性粉刺、毛囊炎等疾病。</p> <p>用过的油可能包含有害杂质。</p>

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Section 4- First Aid Measures

第四部分-急救措施

Eye contact 眼睛接触	No medical emergency is required.Rinse with water for 15 to 20 minutes.Seek medical attention when necessary. 无需医疗急救。用水冲洗15分钟-20分钟。必要时就医。
Skin contact 皮肤接触	No medical emergency is required.Take off the contaminated clothes, wipe the stained areas clean and then wash them with soap and water.Thoroughly wash clothes and shoes before reusing them.Seek medical attention when necessary. 无需医疗急救。脱去污染的衣物，把沾染的部位擦拭干净后用肥皂、清水清洗。在重复使用前彻底清洗衣物及鞋子。必要时就医。
Inhalation 吸入	No medical emergency is required.If you have symptoms such as coughing or breathing difficulties, it is recommended that you seek medical attention. 无需医疗急救。如有咳嗽、呼吸困难等症状，建议就医。
Ingestion 摄入	Unless a large amount is swallowed, medical first aid is generally not required.As a precautionary measure, it is recommended to seek medical attention. 除非吞服大量，一般不需要进行医疗急救。作为预防措施，建议就医。

Section 5- Fire Fighting Measures

第五部分-消防措施

Flash Point 燃点	>200℃
Auto-Ignition Temperature 自燃温度	>320℃
Extinguishing Media 灭火介质	Sprinkler or spray fire extinguishers, foam fire extinguishers, carbon dioxide fire extinguishers, dry powder fire extinguishers.Sand and soil are only suitable for small fires. 洒水或喷雾、泡沫灭火器、二氧化碳灭火器、干粉灭火器。砂土仅适用于小型火灾。
Special Fire-Fighting Procedures 特殊灭火程序	Never spray water. 切勿喷水
Unusual Fire and Explosion Hazards 异常火灾或爆炸	N/A 不适用
Hazardous Combustion Products 燃烧产生的危险物品	Incomplete combustion produces thick smoke, carbon monoxide, carbon dioxide, sulfur oxides, aldehydes, nitrogen oxides, phosphates, certain metal oxides and other decomposition components 不完全燃烧时产生浓烟、一氧化碳、二氧化碳、硫氧化物，醛、氮氧化合物、磷酸盐、某些金属氧化物及其他分解成分

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Section 6- Accidental Release Measures

第六部分-泄露应急处理

Personal precautions, protective equipment and emergency procedures:

Avoid contact with spilled or released substances, cut off the source of fire, immediately contact the workers, and have irrelevant personnel quickly evacuate to a safe area and be isolated. Cut off the source of leakage as much as possible to prevent it from entering sewers, drainage ditches, water bodies and other Spaces.

个人预防措施、保护设备和应急程序:

避免接触溢出或释放出来的物质, 切断火源, 立即联系作业人员, 让无关人员迅速撤离至安全地带并进行隔离。尽可能切断泄漏源, 防止进入下水道、排水沟、水体等空间。

Environment precautions:

Before the workers arrive at the site, they should try their best to contain the spilled substances. For minor leaks, collect the spilled liquid using sawdust, sand, soil or other adsorbents and place it in a sealed, leak-proof container for handling. For large-scale leaks, build embankments or dig pits to collect them, ensuring they do not flow into sewers, rivers, water sources or lowlands. The spilled substances should be disposed of in appropriate containers. When there is pollution to the soil and plants, it should be reported to the relevant departments. The disposal of waste shall refer to Chapter 13 of the Safety Data Sheet.

环境预防措施:

作业人员到达现场前, 尽可能将溢出的物质限制住。少量泄漏, 使用木屑、沙、泥土或其他吸附剂收集溢漏液, 并放置在密闭、防渗漏的容器内等待处理; 对于大量泄漏, 构筑围堤或挖坑收集, 确保其不流入下水道、河流、水源和低地。溢出物质置于适当容器中处理。对土壤和植物有污染时, 要报告相关部门。
废弃物的处置参阅安全技术说明书的第13章。

Methods and material for containment and cleaning up:

When there is a large amount of leakage, use a vacuum pump to draw it into a container. For a small amount of leakage, use sawdust, sand, soil, oil-absorbing cotton or other adsorbents to prevent diffusion and then put it into a sealed container for treatment. In case of land leakage, protective measures should be taken to cut off the source of pollution and minimize the pollution to surface water. In case of waterway leakage, immediately use an oil barrier to stop the lost oil, warn nearby vessels, and use appropriate dispersants if necessary. Serious spills that cannot be handled should be reported to local authorities.

抑制和清理材料的方法:

大量泄漏时用真空泵抽到容器中, 少量泄漏可用木屑、沙、土、吸油棉或其他吸附剂阻止扩散并装入密封容器中处理。陆路泄漏, 采取保护措施切断污染源, 将对地表水的污染减小到最低。水路泄漏, 立即用拦油索阻止流失的油分, 警告邻近的船只, 必要时使用合适的分散剂。
应将无法处理的严重溢漏事件通报地方当局。

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Section 7- Handling and Storage

第七部分-操作处置和储存

Handling 操作处置	<p>Avoid prolonged or repetitive contact with the skin. Wash thoroughly after contact.If there is a risk of inhaling vapor, spray or smoke, please use a local exhaust ventilation device.When handling, load and unload gently to prevent damage to the packaging and containers.</p> <p>避免长时间或重复性地与皮肤接触，接触后彻底清洗。若存在吸入蒸汽、喷雾或烟雾的危险，请使用局部排气通风装置。搬运时要轻装轻卸，防止包装及容器损坏。</p>
Storage 储存	<p>Keep the container sealed and do not store it in open or unlabeled containers.The storage conditions should be cool, dry and well-ventilated, away from strong oxidants, fire sources, heat sources and flammable materials.Store at room temperature.Empty containers may still contain some products. Do not cut, weld or expose them to high temperatures or flames.</p> <p>保持容器密封，不要储存在敞开或没有标签的容器中。储存条件要阴凉、干燥、通风，远离强氧化剂、火种、热源和易燃物。常温贮存。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。</p>
Other Precautions 其他要注意的防范措施	<p>Operators must undergo specialized training and strictly abide by operating procedures.Avoid contact with oxidants.Be equipped with the corresponding number of fire-fighting equipment and leakage emergency handling devices.When loading and unloading 200-liter barrel products, protective shoes should be worn.Empty containers may still contain harmful substances.</p> <p>操作人员必须经过专门培训，严格遵守操作规。避免与氧化剂接触。配备相应数量的消防器材及泄漏应急处理设备。装卸200升桶装产品时，应穿保护鞋。倒空的容器可能残留有害物。</p>

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Section 8- Exposure Controls/Personal Protection

第八部分-接触控制和个体防护

Engineering Controls 设计控制	<p>Provide exhaust ventilation or other engineering controls to ensure that the concentration of relevant substances in the air is below the standard requirements.</p> <p>提供排气通风或其他工程控制，确保空气中相关物质的浓度低于标准规定。</p>
Personal Protective Equipment 个人防护装备	<p>Respiratory Protection: Under normal usage conditions, respiratory protective equipment is not required to be worn.If the engineering control facilities fail to maintain the oil mist concentration at a level sufficient to protect the health of relevant personnel, respiratory protection equipment that complies with relevant regulations should be selected.For specific details, please consult the supplier of respiratory protection equipment.</p> <p>Skin and body Protection: Under normal usage conditions, no special skin or body protective equipment is required except for ordinary work clothes.When there is a possibility of splashing, please select appropriate and permeable safety clothing and shoes based on the actual situation of the workplace. It is recommended that the material be nitrile rubber.</p> <p>Hand protection: Use oil-resistant and chemical-resistant protective gloves.It is recommended to use nitrile rubber, chloroprene rubber and polyvinyl chloride gloves.Replace contaminated gloves in time.Wash thoroughly with soap and water after operation.</p> <p>Eye Protection: If splashing is possible, please wear safety goggles.</p> <p>呼吸防护: 正常使用条件下不需要佩戴呼吸防护用具。如果工程控制设施未把油雾浓度保持在足以保护相关人员健康的水平，需选择符合相关法规要求的呼吸保护设备。具体内容请咨询呼吸保护设备供应商。</p> <p>皮肤和身体防护: 正常使用条件下，除了普通的工作服之外不需要特殊的皮肤和身体防护设备。当有飞溅可能性时，请根据工作场所的实际情况选择合适的、放渗透性的安全服装及安全鞋，建议材质为丁腈橡胶。</p> <p>手保护: 使用耐油性、耐化学性的防护手套。建议使用丁腈橡胶、氯丁橡胶、聚氯乙烯手套。及时更换受污染的手套。操作后用肥皂、水彻底清洗。</p> <p>眼睛保护: 如果可能发生飞溅，请使用安全防护眼镜。</p>
Other Protective Equipment 其它防护装备	<p>No relevant information</p> <p>无相关信息</p>
Hygiene Measures 卫生措施	<p>No smoking in the work area.</p> <p>在工作区域不得吸烟。</p>

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Section 9- Physical and Chemical Properties

第九部分-物理和化学特性

Form 形态	Transparent oily liquid 透明油状液体
Color 颜色	Yellow to brown 黄色至褐色
Odour 气味	Odorless or slightly off-tasting 无气味或略带异味
pH 酸碱度	Not Applicable 不适用
Melting point/freezing point 熔点/凝固点	N/A 不适用
Boiling Point and Boiling range 沸点、沸点范围:	>280°C
Flash Point 易燃度	Not Applicable 不适用
Upper/lower flammability or explosive limits 自燃或爆炸的上、下极限	No relevant information 无相关信息
Vapor Pressure 蒸汽压	<0.5Pa@20°C
Vapor Density 蒸汽密度	>1
Relative density 相对密度	N/A 不适用
Solubility in Water 水溶性	Insoluble in water 不溶于水
Auto-ignition temperature 自燃温度	>320°C
Decomposition temperature 分解温度	No relevant information 无相关信息
Evaporation rate 蒸发速率	No relevant information 无相关信息
Flammability (soil, gas) 易燃性(土壤、天然气)	No relevant information 无相关信息
Viscosity 粘性	135 mm ² /s-165 mm ² /s @40°C

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Section 10- Stability and reactivity

第十部分 稳定性和反应活性

Stability 稳定性	Stable 稳定
Conditions to Avoid 应避免的条件	Extreme temperatures, intense sunlight exposure, contact with strong oxidants and fire sources 极端温度, 阳光暴晒, 接触强氧化剂、火源
Incompatible Materials 不兼容的材料	Strong oxidizing agent 强氧化剂
Hazardous Decomposition Products 危险分解物	Under normal storage conditions, no dangerous decomposition will form. 在正常存储情况下, 不会形成危险的分解物。
Possibility of Hazardous Reaction 危险反应的可能性	Contact with strong oxidants 与强氧化剂接触

Section 11 – Toxicological Information

第十一部分-毒理学资料

Irritation 刺激	Skin irritation or corrosion: Mild irritation is expected. Long-term or continuous contact with the skin without proper washing may cause skin inflammation. Eye irritation or corrosion: Expect to feel mild irritation. 皮肤刺激或腐蚀: 预期会感到轻微刺激。长期或持续接触皮肤, 并不当清洗可能导致皮肤发炎。 眼睛刺激或腐蚀: 预期会感到轻微刺激。
Sensitization 致过敏	It is not expected to be an allergenic substance 预期不是致敏物质
Neurological Effects 影响神经系统	No relevant information 无相关信息
Teratogenicity 致畸	No relevant information 无相关信息
Reproductive Toxicity 再生毒性	No relevant information 无相关信息
Mutagenicity (Genetic Effects) 诱变(遗传效应)	There is no risk of mutagenesis 没有诱变危险
Toxicologically Synergistic Materials 附带材料毒性	No relevant information 无相关信息

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Section 12- Ecological Information

第十二部分-生态学资料

Ecological Toxicity 生态毒性	No relevant information 无相关信息
Mobility in soil 在土壤中的流动性	If it enters the soil, it will be absorbed by soil particles and unable to flow. 如果进入土壤，将会被土壤颗粒吸收而无法流动。
Persistence and Degradability 持久性和分解性	It is expected to be not easily biodegradable. 预期不容易生物降解。
Bioaccumulation potential 生物累积	Contains potential components with bioaccumulation. 含具有生物累积的潜在组分。
Other Adverse Effects 其他不利影响	No relevant information 无相关信息

Section 13- Disposal Considerations

第十三部分-废弃处置

Product disposal recommendation 产品废弃处理建议	It should be recycled or reused as much as possible, or disposed of centrally by waste collectors recognized by relevant regulations. 应当尽可能回收或循环使用，或由相关法规认可的废弃物收集商进行集中处置。
Packaging disposal recommendation 包装处理建议	Waste should be disposed of by waste collectors who have obtained relevant regulatory approval as much as possible. 应当尽可能由获取相关法规认可的废弃物收集商进行处置。

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Section 14 – Transport Information

第十四部分-运输信息

IATA, IMDG, Model Regulation 联合国编号或识别编号	N/A 不适用
IATA, IMDG, Model Regulation 运输专用名称/说明	Not Regulated For Transport Of Dangerous Goods 不被管制为危险品运输
IATA, IMDG, Model Regulation 类别或项别（次要危险）	Not Subjected for transport of dangerous goods 非限制性货物
IATA, IMDG, Model Regulation 包装等级	N/A 不适用
IATA, IMDG, Model Regulation 危险性标签	N/A 不适用
Environmental hazards Marine pollutant 危害环境 海洋污染物资	No 不是
IMDG EmS	--
Special precautions for user 用户特别预防措施	No information available. 无资料
Mode of transportation: air, sea, road, railway. 运输方式：空运、海运、公路、铁路。	

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Section 15- Regulatory information

第十五部分 法规信息

Law information

法律信息

《Dangerous Goods Regulations》

《危险物品规则》

《Recommendation on the Transport of Dangerous Goods Model Regulations》

《对危险货物运输的有关规定的建议》

《International Maritime Dangerous Goods》

《国际海运危险货物规则》

《Technical Instructions for the Safe Transport of Dangerous Goods》

《危险品安全运输技术指令》

《Classification and code of dangerous Goods》

《危险货物分类和品名编号》

《Consumer Product Safety Act》(CPSA)

《消费产品安全法》

《Federal Environmental Pollution Control Act》(FEPCA)

《联邦环境污染控制法》

《Resource Conservation and Recovery Act》(RCRA)

《资源保护及恢复法案》

《European Agreement concerning the International Carriage of Dangerous》

《国际危险货物道路运输欧洲协定》

《Regulations concerning the International Carriage of Dangerous》

《国际危险货物铁路运输欧洲协定》

In according with all Federal, State and local laws.

根据所有联邦、州和地方法律。

Section 16- Other Information

第十六部分-其它信息

The information above is believed to be accurate and represents the best information currently available to us. However, makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.

上面的信息被认为是准确代表了目前最好的信息提供给我们。然而, 我们不保证该等信息的适销性或任何其他明示或暗示的保证, 对这类信息的使用我们不承担责任。用户应作出自己的调查, 以确定是否适合其特定用途的信息。虽然在此处所包含的数据的准备已经采取了合理的预防措施, 这是仅为你提供的信息、考虑和调查。这个化学品安全技术说明书为本产品提供了安全操作指南和使用指南, 它并不能对所有可能发生的情况提供建议, 因此, 您特殊使用该产品应进行评估, 以确定是否需要额外的预防措施。

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样品图片

Photo



Fig.1



Fig.2

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