Jining changcheng Zhuo Wei Lubricating Oil Co., Ltd.

Safety Data Sheet

1. Chemicals and Enterprise Identification

Product Name	L-HL 15# hydraulic oil
Use	hydraulic oil
Product Codes	2100185
Manufacturer:	Jining changcheng zhuo wei lubricating oil Co.,Ltd Lunan Industrial Park
Telephone number	400-618-2369
Date of revision	March 06, 2025

2. Hazards Identification

Chinese classification	Not classified under the GB13690 guidelines
Health hazard	There are no specific hazards under normal conditions of use. Prolonged or repeated exposure can cause dermatitis. Used oil may contain harmful impurities.
Symptoms and signs	Under normal use, it is not expected to cause serious impact.
Safety hazard	Not rated as flammable, but can burn.
Environmental hazard	Not classified as hazardous to the environment.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Substances

Component	CAS-No.	Concentration
Lubricant base	8002-05-9	98%
TH726	126104-53-8	2%

4. Emergency measures

general information	Use under normal conditions should not be a health hazard
inhalation	Dizziness or nausea are unlikely to occur, and if so, move the patient to a place with fresh air. If symptoms persist, call a doctor.
contact with skin	Take off the contaminated clothes. Rinse the exposed area with water and wash it with soap. If the stimulation persists, ask the doctor. When using high-pressure equipment, it may cause the product to be injected subcutaneously. If this happens, please send it to the hospital immediately. Don't wait for it, so as to avoid the worsening of symptoms.
contact with eyes	Wash your eyes with plenty of water. If irritation persists, seek medical advice.
Devour	Don't vomit, rinse your mouth with water and see a doctor.
Doctor's Notes	Symptomatic treatment. Inhalation of the lungs can lead to chemical pneumonia. Long-term or repeated exposure may cause dermatitis. High-pressure injection injuries require immediate surgical treatment and/or steroid-like treatment to reduce tissue damage and loss of function.

5. Fire protection measures

To evacuate all non-emergency personnel from the fire area.

Specific dangers	Combustion may occur in complex mixtures of solid and liquid particles and gases in the air, including carbon monoxide, sulfur oxide and unrecognized organic and inorganic compounds.
Appropriate fire extinguishing media	Foam and dry chemical powder, carbon dioxide, sand or soil are only suitable for small-scale fires.
Unapplicable fire extinguishers	Don't spray water. Halide extinguishers should be avoided for environmental reasons
Firefighter protection equipment	Appropriate protective devices include breathing devices that must be worn when approaching the ignition point in a sealed space.
Harmful combustion products	Not applicable

6. Emergency Leakage Treatment

protective measures	Avoid touching skin and eyes. PVC, chloroprene or nitrile rubber gloves. Rubber boots, PVCA jackets and trousers. If possible, wear safety glasses or full cover
Clearance method	After the spill, the ground was very smooth. In order to avoid accidents, it should be cleaned immediately. Barriers are set up with sand, soil or other materials that can be used for barriers to prevent proliferation. Direct recovery of liquids or storage in absorbents. Use clay, sand or other suitable adsorbents to absorb residues and then dispose of them appropriately
Additional recommendations	Local authorities should be notified of serious spills that cannot be handled.

7. Operational Disposal and Storage

General preventive measures	If there is danger of inhaling steam, spray or smoke, please use partial exhaust ventilation system. In order to prevent fire, any wiping cloth or cleaning material contaminated by it should be properly disposed of. Including the information contained in this information sheet into the local situation risk assessment will help to develop an effective control system for the handling, storage and disposal of the product.
Carry	Avoid long-term or continuous contact with skin. Avoid inhaling steam and/or smoke. When loading and unloading products in barrels, protective shoes should be worn and proper handling tools should be used.
Storage	Closed containers, placed in cool, well ventilated places, using appropriate labels and sealed containers. Storage temperature: long-term storage (more than 3 months) - 15-50 C; short-term storage - 20-60 C.
Recommended materials	Soft steel or high density polyethylene should be used for the lining of containers or containers.
Substances not applicable	Containers or inner layers of containers, avoid the use of polyvinyl chloride.
Additional information	Polyethylene containers should not be placed at high temperatures because they may cause distortion.

8. Contact control and personal protection

Maximum permissible concentration					
material	**Regulations**	**Contact/exposure duration**	**Contact/exposure restrictions**	**Unit**	**Comments**
Oil mist, mineral oil	ACGIH	TWA	5	Milligram/cubic metre	
	ACGIH	STEL	10	Milligram/cubic metre	

Exposure control	The level of protection required and the type of control vary depending on the potential exposure conditions. Control methods are selected based on a risk assessment of local conditions. Appropriate measures include: Ventilation is sufficient to control the gas concentration. This product is more likely to collect in the air after heating, spraying or fogging.
Personal protection equipment	Personal Protective Equipment (PPE) should comply with the recommended national standards. Please check with the PPE supplier.
Respiratory protection	Under normal conditions of use, respiratory protection is generally not required. Good industrial hygiene practices state that measures should be taken to prevent inhalation of this product. If the engineering control facility does not maintain the air concentration at a level sufficient to protect the health of the person, select a respiratory protection device that is suitable for the conditions of use and meets the relevant legal requirements. Please check with your respiratory protection equipment supplier. When wearing a safety filter mask, choose the right mask and filter combination. Choose a filter for the mixture of particulate/organic gases and vapour [boiling point >65 °C (149 °F)].
Hand protection	Polyvinyl chloride, neoprene or nitrile rubber gloves.
Eye protection	If splash may occur, wear safety goggles or full face masks.
Protective clothing	Generally speaking, there is no need for special skin protection measures other than ordinary work clothes.
Monitoring methods	Concentrations of various substances in respiratory area of workers or general workplaces need to be monitored to

	confirm compliance with OEL and the appropriateness of contact control.For some substances, biological monitoring can also be used.
Environmental exposure risk control measures	Reduce emissions to the environment. Environmental assessments must be performed to ensure compliance with local environmental regulations.

9. Physicochemical properties

Appearance and Character	Amber Liquid at room temperature
smell	Characteristics of Mineral Oil
PH value	Not applicable
Melting point/freezing point	no data
Initial Boiling Point and Boiling Range	Estimates > 290 °C / 554 °F
flash point	typical 222 °C / 432 °F
Upper and lower limits of combustion	typical 1%- 10%(V)
Vapor pressure	Estimates < 0.5 Pa （20 °C / 68 °F ）
Vapor density (air = 1)	> 1 (Estimates)
density	typical 896 kg/m^3 （15 °C / 59 °F ）
Solubility	Neglectable
Distribution coefficient: n-octanol / water	> 6 (Based on similar product data）
Spontaneous combustion temperature	> 320 °C / 608 °F
decomposition temperature	no data

10. Stability and reactivity

Stability	Stable
Avoidable Conditions	Extreme temperature and direct sunlight.
Avoidable substances	Strong oxidizer.
Hazardous Chemicals Decomposition	Under normal storage conditions, no dangerous decomposition will be formed.
Dangerous Polymerization	inapplicability.
Sensitivity to impact	There is no data for reference.

11. Toxicological Information

Evaluation Basis	The information provided is based on components and toxicity data of similar products.
Acute toxicity **Acute oral toxicity** **Acute cutaneous toxicity** **Acute respiratory toxicity**	 Low expected toxicity: LD50 > 5000 mg/kg Low expected toxicity: LD50 > 5000 mg/kg No inhalation hazard is considered in normal use.
Skin irritation or corrosion	A slight stimulus is expected. Long-term or continuous contact with the skin, without proper cleaning, may obstruct the skin pore, leading to oily acne/folliculitis and other diseases.
Eye irritation or erosion	A slight stimulus is expected.
Respiratory or skin allergies	Inhalation of vapor or fog may cause irritation.
Germ cell mutagenicity	There is no risk of mutagenesis.
carcinogenicity	Whether the ingredients are carcinogenic is unknown.
Reproductive toxicity	It should not be harmful material.
Systemic toxicity of specific target organs **One-off contact** **Recurrent contact**	No data.
Inhalation hazard	Inhalation of vapor or fog may cause irritation.

Additional information:

Used oils contain harmful impurities accumulated during use. Concentrations of such harmful impurities depend on their use and may pose risks to health and the environment when treated. All used oils should be handled carefully and skin contact should be avoided as far as possible. In animal experiments, continuous exposure to used engine oil can lead to skin cancer.

12. Ecology Information

There is no specific ecotoxicological data for this product. The above information is based on an understanding of the components and ecotoxicology of similar products.	
acute toxicity	Mixtures with poor solubility. It may cause aquatic organisms to emit foul odor. Actual non-toxicity is expected: LL/EL/IL50 >100 mg/l （For aquatic organisms） （LL/EL50 denotes the nominal product volume and requires preparation for moisture testing)）。
Mobility / Mobility in soil	Liquid in most environmental conditions. Float on water. If it enters the soil, it will be absorbed by soil particles and will not flow.
Persistence/Degradation	Not expected to biodegrade easily. The main components are expected to be inherently biodegradable, but this product also contains some components that may persist in the environment.
Bioaccumulation	A component containing the potential for bioaccumulation.
Other adverse reactions	The product is a mixture of non-volatile ingredients that are not expected to be released into the air in large quantities. The possibility of ozone depletion, photochemical ozone formation or global warming is not expected.

13. Waste disposal

Chemical Product Disposal	It should be recycled or recycled as far as possible. It is the responsibility of the waste generator to identify the toxicity and physical characteristics of the materials produced in order to develop appropriate waste classification and waste disposal methods in accordance with the relevant regulations. Do not dispose in the environment, drains or waterways.
Disposal of containers	Should be disposed of by an approved waste collector or contractor as far as possible in accordance with the ordinance currently in force.
Local regulations	Disposal methods should be in accordance with applicable regional, national and local laws and regulations.

14.Transportation information

Domain (classified by ADR) : unregulated This product is not rated as dangerous under the ADR regulations.
International Maritime Pollutants (IMDG) This product is not rated as dangerous under the IMDG regulations.
IATA (slightly different rules for different countries) This product is not rated as dangerous under IATA regulations.

15. Regulatory information

The relevant control information is incomplete and there are other regulations applicable to this product.

Chinese classification	Not classified under GB13690 criterion
EC Symbol	No "danger" sign is required.
EC Danger Warning	No classification.
EC Security Warning	No classification.
Other information	GB 6944-2005：Classification and Name Number of Dangerous Goods GB/T 16483-2008: Content and Project Order of Chemical Safety Technical Instructions GB 13690-1992: Classification and Marking of Common

	Hazardous Chemicals GB 12268-2005: List of Dangerous Goods GBZ 2.1-2007：Occupational exposure limits for hazardous factors in the workplace

16. Other information

Limitation: This product shall not be used for applications other than recommended uses without the permission of Zuowei Lubricating Oil Technology Department.

Other Information: This information is based on our current knowledge, The aim is to explain the product only in terms of health, safety and environmental regulations.