

Material Safety Data Sheet

Product Name: : ENGINE OIL

Applicant: : PUYANG XINYE SPECIAL LUBRICATING OIL AND GREASE CO., LTD

Address: : XINZHUANG TOWN, FANXIAN COUNTY, PUYANG CITY, HENAN PROVINCE, CHINA.

Signed by Shanghai ICTS Group



Written by: **Monica Fan**

Date: 14th December.2025

Material Safety Data Sheet (MSDS)

Part 1 –Identification of the substance and of the company/undertaking

1.1 Product identification:

Identification on the label
/Trade name: Engine oil

1.2. Relevant identified and recommended uses of the substance or mixture:

Recommended use:

1.3. Manufacturer Information:

Supplier(Manufacturer): PUYANG XINYE SPECIAL LUBRICATING OIL AND GREASE CO., LTD

Address: XINZHUANG TOWN, FANXIAN COUNTY, PUYANG CITY, HENAN PROVINCE, CHINA.

1.4 Emergency telephone Number:

Contact: Guo-Hui Zhang
Telephone: 15730996366
Email: xinyegrease66@mail.com

Part 2 –Hazards Identification

2.1 Classification of the substance or mixture:

GHS label elements:

Acute toxicity (oral):	Category 4
Skin corrosion/irritation:	Category 3
Serious eye damage/eye irritation:	Category 2A
Germ cell mutagenicity:	Category 2
Heterosexual target organ systemic toxicity One exposure:	Category 2
Heterosexual target organ systemic toxicity Repeated exposure:	Category 1

2.2 Label elements:

Hazard Pictograms:



Signal Word(S): None.

Hazard statement: H302 Harmful if swallowed
 H316 Causes slight skin irritation
 H319 Causes severe eye irritation
 H341 Suspected to cause genetic defects
 H371 Possible damage to organs

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H372 Long term or repeated exposure may cause damage to organs

Preventive instructions:
Preventive measures:

P203 Obtain special instructions before use.

P260 Do not breathe dust/smoke/gas/smoke/vapor/spray.

P264 Clean thoroughly after operation

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/goggles/masks.

Accident response:

P301+P317 If swallowed by mistake: see a doctor.

P330 Rinse your mouth.

P304+P317 If inhaled by mistake: see a doctor.

P332+P317 In case of skin irritation: seek medical advice.

P305+P351+P338 If in eyes: Rinse carefully with water for several minutes. If you wear contact lenses and can easily take them out, take them out. Continue flushing.

P337+P317 If eye irritation is still felt: seek medical advice/treatment.

P302+P352 In case of skin contamination: wash thoroughly with water/

P321 Specific treatment (see this label)

P318 In case of contact or doubt: seek medical advice/treatment.

P308+P316 In case of contact or doubt: call the detoxification center/doctor/

P319 If you feel unwell, seek medical advice.

Safe storage:

P405 Storage must be locked.

Waste disposal:

P501 This product and container should be disposed of in accordance with local, regional, national and international regulations.

2.3 Other hazards

No information.

Part 3 - Composition/information on ingredients
3.1 Substance
3.2 mixture

Chemical name	CAS No.	Content%
Base oil	8002-5-9	90
Additives	125643-61-0	10

Part 4 –First aid measures
4.1 Description of first aid measures:
In case of skin contact: Remove contaminated clothes and rinse with soap and plenty of flowing

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water. If you have any discomfort, please see a doctor immediately.

In case of eyes contact: Rinse immediately with plenty of clean water for more than 15 minutes. If you wear contact lenses and can easily remove them, remove them. Clean the inside of the eyelid carefully. Seek medical treatment immediately.

In case of ingestion: After accidental eating, please remain calm and accept the doctor's diagnosis as soon as possible. No vomiting should be swallowed. According to the doctor's instructions, vomiting should not be vomited by oneself.

In case of inhalation: Transfer to fresh air. If symptoms occur, seek medical treatment immediately.

4.2 The most important symptoms and effects, both acute and chronic

No data is available.

4.3 Signs of need for immediate medical treatment and special treatment

Symptomatic treatment.

Part 5 - Fire-Fighting measures

5.1 Suitable fire extinguishers: Water mist, alcohol-resistant foam, dry powder, carbon dioxide fire extinguishing.

5.2 Specific hazards arising from the substance or mixture: No data is available.

5.3 Special protective equipment for firefighters: Firefighters shall wear air breathing apparatus, full body fire-fighting clothes and put out the fire in the upwind direction.

Part 6 –Accidental release measures.

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

6.1. Personal precautions, protective equipment and emergency procedures: Before using this product, please refer to the industrial hygiene and safety notice in detail to guide the use.

Evacuate people to a safe area.

Ensure adequate ventilation, especially in restricted areas.

Eliminate all sources of ignition.

For personal protection, please refer to section 8.

6.2. Environmental precautions: Prevent leakage from entering sewers, surface water and groundwater. Processing in accordance with local or international regulations.

6.3. Methods and material for containment and cleaning up: Surround or cover the spilled liquid with sand or mud. Regarding the method of disposing of recycled materials, you should consult experts and ensure compliance with local waste disposal regulations.

Part 7 - Handling and storage

7.1 Handling: Ensure adequate ventilation, especially in restricted areas. Wash your hands after use and prohibit eating in the workplace. Individual protective

measures refer to Part 8.

7.2 Storage:

Store in a cool, ventilated warehouse. Keep away from fire and heat sources. Lock it and store it out of the reach of children. Keep away from food, drink and animal feed. When not in use, ensure that the container is tightly closed, and if necessary, ensure waterproof storage.

Part 8 - Exposure control/personal protection

8.1 Occupational exposure limits: No information.

8.2 Exposure controls :

Engineering controls: Provide effective eye wash and safe bath.
Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment:

Eye protection: Wear safety glasses.

Respiratory system protection: When the air concentration is high, it is recommended to wear self-priming filter dust mask.

Body protection: Wear overalls.

Hand protection: Wear gloves.

Hygienic protection: Pay attention to personal hygiene. Wash hands after working.

Part 9 - Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance : Paste.
Color: Light yellow.
Odor: Odorless.
Odor threshold: Not applicable.
PH: Not applicable.
Density: Not applicable.
Melting point/range (°C): Not applicable.
Boiling point (°C): Not applicable.
Solidification point: Not applicable.
Flash point: 230°C.
Auto-ignition temperature: Not applicable.
Ignition temperature: Not applicable.
Ignition point: Not applicable.
Flammability: Not applicable.
Specific gravity: Not applicable.
Upper/lower flammability or explosion limit: Not applicable.
Decomposition temperature: Not applicable.
Relative density (Water=1) : Not applicable.
Solubility: Not applicable.
Vapor pressure: Not applicable.

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Volatilization rate: Not applicable.
Viscosity: Not applicable.
9.2 Other information: No further relevant information available

Part 10 - Stability and reactivity

10.1 Stability: The product is stable under normal use conditions.
10.2 Reactivity: Under normal conditions it won't happen.
10.3 Hazardous reactions: There will be no violent reactions under normal use.
10.4 Conditions to avoid: Heat, flame, spark.
10.5 Incompatibility: Strong oxidant, strong base, strong acid.
10.6 Harmful decomposition products: May produce carbon dioxide.

Part 11 –Toxicological information

11.1 Information on toxicological effects:

Acute toxicity: **Base oil:**
Based on rat LC50 = 2.18 mg / L (iuclid (2000)), classification 4 was made.

Skin irritation or corrosion: **Base oil:**
Based on the multiple reports (iuclid (2000)) which recognized slight irritation in the test using the rabbit, it was divided into 3.

Eye irritation or corrosion: **Base oil:**
Because of the fact that there was a report (iuclid (2000)) which was described as slight irritation by the test using the rabbit, it was made to be the classification 2B.

Respiratory sensitization: Based on the available data, the classification criteria are not met.

Skin sensitization: Based on the available data, the classification criteria are not met.

Germ cell mutagenicity: **Base oil:**
In addition to increasing the number of abnormal cells (iuclid (2000)) in the cytogenetic test of rats (iuclid (2000)), the increase in chromosome aberrations was observed in peripheral blood lymphocytes of human subjects exposed to occupational exposure Based on the absence of information on the in vivo genotoxicity test in germ cells, we have classified 2.

Carcinogenicity: Based on the available data, the classification criteria are not met.

Reproductive toxicity: Based on the available data, the classification criteria are not met.

Specific target organ system toxicity - single exposure: **Base oil:**
According to the study of inhalation exposure to the rat, the macroscopical and histopathological changes in the lung (detailed unclear) were observed in dose dependent (1.51 to 5.05 mg / L).

Specific target organ system toxicity - repeated exposure: **Base oil:**
Pulmonary fibrosis, fat pneumonia, and liposarcoma of the lung have been reported over a period of time in humans exposed to mineral oil or its mist In the epidemiological study, the generation of severe cilitis due to occupational exposure to cutting oil was reported (ifr33 (1984)).

Aspiration hazard: **Base oil:**
According to the report (EHC 20 (1982), IARC 33 (1984), ICSC (2001), ACGIH (2001), the inhalation of the oil into the lung caused by the

intake of mineral oil, which resulted in the oil inhalation or chemical pneumonia.

11.2 Information on other hazards: No data available.

Part 12 –Ecological information

12.1 Acute toxicity: No data available.

12.2 Persistence and degradability: No data available.

12.3 Bioaccumulative potential : No data available.

12.4 Mobility in soil: No data available.

12.5 PBT and vPvB assessment results:

PBT: No data available.

vPvB: No data available.

12.6 Endocrine disrupting properties : No data available.

12.7 Other adverse effects: No data available.

Part 13–Disposal considerations

13.1 Waste treatment methods: Disposal must be made according to local and national regulations.

13.2 Packaging: Disposal area must comply with the environment and national safety standard.

Part 14 - Transport information

14.1.UN Number:
ADR, IMDG, IATA Non hazardous chemicals.

14.2.UN proper shipping name:
ADR, IMDG, IATA Non hazardous chemicals.

14.3.Transport hazard class(es):
ADR, IMDG, IATA Non hazardous chemicals.

Secondary risk: Non hazardous chemicals.

14.4.Packing group
ADR, IMDG, IATA Non hazardous chemicals.

14.5.Environmental hazard: ADR/RID European Agency for Road Transport / European Agency for Rail Transport: No
 International Maritime Dangerous Goods Code (IMDG) Marine Pollutants (Yes/No) : No
 International Air Transport Dangerous Regulations: No

14.6.Transportation Notes: Please select suitable transportation means and corresponding transportation and storage conditions according to the nature of chemicals. The means of transport shall be equipped with fire-fighting materials and leakage emergency treatment equipment of the corresponding variety and quantity. If you choose road transportation,

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please follow the prescribed route.

14.7. Maritime transport in bulk according to IMO instruments :

No data available.

Part 15 –Regulation information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture :

This safety data sheet complies with the requirements of Regulation (EC) No 1272/2008[EU-GHS/CLP]

GHS Labelling Elements: Classification and labelling are carried out according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

15.2 Chemical safety assessment

For this mixture, no chemical safety assessment has been carried out.

Part 16 –Other information

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Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

ACGIH: American Conference of Governmental Industrial Hygienists (USA)

OSHA: Occupational Safety and Health Administration (USA)

NTP: National Toxicology Program (USA)

IARC: International Agency for Research on Cancer

EPA: Environmental Protection Agency (USA)

This MSDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. Products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.