

# SAFETY DATA SHEET

Kyouwa Oil Lubricants Co., Ltd.  
Product Name: WHITE SPINDLE OIL

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of substance/preparation

LUBRICATING OIL WHITE SPINDLE OIL

Application

Industrial Stock Oil

For specific application advice see appropriate Technical Data Sheet or consult your WHITE SPINDLE OIL representative

Company Identification

Kyouwa Oil Lubricants Co., Ltd.

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## 2. HAZARDS IDENTIFICATION

(EC) No 1272/2008

This product is classified as dangerous in accordance with Directive 1272/2008/EEC.

Symbol : Health Hazard

Signal word : Danger

Hazard statement : May be fatal if swallowed and enters airways

GHS Classification

Symbol : Health Hazard



Signal word : Danger

Hazard statement : May be fatal if swallowed and enters airways

See section 16 for the full text of the H-phrase and R-phrase.

For further health effects/toxicological data, see Section 11.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No       | EC No        | Weight% | DSD/DPD Classification | CLP Classification |
|---------------|--------------|--------------|---------|------------------------|--------------------|
| Mineral Oil   | Confidential | Confidential | 100     | Xn;R65<br>Note L       | H304<br>Note L     |

Note L

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions . Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

The producer of "Mineral Oil" declares that it contains less than 3% DMSO extractable material by IP-346

## 4. FIRST-AID MEASURES

**Eyes**

Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

**Skin**

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Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

## Ingestion

If contamination of the mouth occurs, wash out thoroughly with water.  
Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.

## Inhalation

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, move the exposed person to fresh air. If symptoms persist obtain medical advice.

## Medical Advice

Treatment should in general be symptomatic and directed to relieving any effects. Aspiration of the product is unlikely to occur except as the result of ingestion, followed by vomiting or regurgitation in a partially or totally unconscious individual, when immediate effects are most likely to result from the aspiration of acidic stomach contents.

If it should occur, transport casualty immediately to hospital.

## 5. FIRE-FIGHTING MEASURES

Use foam, dry powder or water fog. Do not use water jets.  
Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus.  
Water may be used to cool nearby heat exposed areas/objects/packages. Avoid spraying directly into storage containers because of the danger of boil-over.

## Combustion Products

Toxic fumes may be evolved on burning or exposure to heat.  
See Stability and Reactivity, Section 10 of this Safety Data Sheet.

## 6. ACCIDENTAL RELEASE MEASURES

Ensure good ventilation.  
Evacuate all non essential personnel from the immediate area.  
Contain and recover spilled material using sand or other suitable inert absorbent material.  
It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.  
Spilled material may make surfaces slippery.  
Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.  
In the case of large spills contact the appropriate authorities.

## 7. HANDLING AND STORAGE

### Handling Precautions

Avoid contact with eyes. If splashing is likely to occur, wear a full face visor or chemical goggles as appropriate.  
Avoid frequent or prolonged skin contact with fresh or used product.  
Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times.

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Whilst using do not eat, drink or smoke.  
Wash hands thoroughly after contact.  
Use disposable cloths and discard when soiled.

## Fire Prevention

Product soaked rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. Dispose of safely immediately after use. Empty containers represent a fire hazard as they may contain some remaining flammable product and vapour. Never cut, weld, solder or braze empty containers.

## Storage Conditions

Store under cover away from heat and sources of ignition.  
Containers must be properly labelled and kept closed when not in use.  
Empty packages may contain some remaining product. Retain hazard warning labels on empty packages as a guide to the safe handling, storage and disposal of empty packaging.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

This product contains mineral oil.  
Under conditions which may generate mists, observe the OSHA PEL of 5mg per cubic meter, ACGIH STEL of 10mg per cubic meter.

### Protective Clothing

Wear face visor or goggles in circumstances where eye contact can accidentally occur. Change heavily contaminated clothing as soon as reasonably practicable; dry clean, launder and preferably starch before re-use. Wash any contaminated skin with soap and water.

### Respiratory Protection

Respiratory protection is unnecessary, provided the concentration of vapour, mists or fumes is adequately controlled.  
The use of respiratory equipment must be strictly needed in accordance with the manufacturers' instructions and any statutory requirements governing its selection and use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES Typical Values

|                     | Units              |               |
|---------------------|--------------------|---------------|
| Physical state      |                    | Clear liquid  |
| Color               |                    | Light Yellow  |
| Odor                |                    | Mild Oil Odor |
| Density @ 15°C      | g/cm <sup>3</sup>  | 0.86          |
| Flash point (COC)   | °C                 | 174           |
| Pour point          | °C                 | -5.0          |
| Solubility in Water |                    | insoluble     |
| Viscosity(@40°C)    | mm <sup>2</sup> /s | 9.37          |

## 10. STABILITY AND REACTIVITY

### Conditions to Avoid

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Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use.

Hazardous polymerisation reactions will not occur.

This material is combustible.

## Materials to Avoid

Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition can produce a variety of compounds, the precise nature of those will depend on the decomposition conditions.

Incomplete combustion/ thermal decomposition will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Oral

The LD50 in rat is > 5000mg/kg.

Dermal

The LD50 in rabbit is > 5000mg/kg.

### Skin corrosion/irritation

Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

### Serious eye damage/ irritation

Not expected to cause eye irritation. Based on data from components or similar materials.

### Respiratory irritation

If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.

### Respiratory or skin sensitization

*Skin*

No data available to indicate product or components may be a skin sensitizer.

*Respiratory*

No data available to indicate product or components may be a respiratory sensitizer.

### Germ cell mutagenicity

No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex 1. The producer of "Mineral Oil" declares that it contains less than 3% DMSO extractable material by IP 346.

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## Reproductive toxicity

No data available to indicate either product or components at greater than 0.1% that May cause reproductive toxicity.

## STOT repeated exposure

No data available to indicate product or components present at greater than 0.1% that may cause STOT repeated exposure.

## Aspiration hazard

This product is a hydrocarbon and has a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less, measured at 40°C. There are some reports that oil or chemical pneumonia may be caused as a result of the aspiration of this product into the lungs if swallowed. See section 16 for the bibliography.

## Other information

No other health hazards known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No expected to be harmful to aquatic organisms.

### Mobility

Spillages may penetrate the soil causing ground water contamination.

### Persistence and degradability

This product is not expected to be readily biodegradable.

### Bioaccumulative potential

There is no evidence to suggest bioaccumulation will occur.

### Aquatic toxicity

May be harmful to aquatic organisms.

Spills may form a film on water surfaces causing physical damage to organisms.

Oxygen transfer could also be impaired.

## 13. DISPOSAL CONSIDERATIONS

Where possible, arrange for product to be recycled.

Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.

Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

Dispose of product and container carefully and responsibly. Do not dispose of near ponds, ditches, down drains or onto soil.

## 14. TRANSPORT INFORMATION

|          |                 |
|----------|-----------------|
| IMDG/IMO | : Not Regulated |
| RID      | : Not Regulated |
| ADR      | : Not Regulated |
| ICAO     | : Not Regulated |
| IATA     | : Not Regulated |

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## 15. REGULATORY INFORMATION

CLP

This product is classified as dangerous in accordance with Directive 1272/2008/EEC.

CLP pictgrams



Signal word Danger

CLP Hazard statements H304 - May be fatal if swallowed and enters airways.

CLP Precautionary statements P301+P310 - If swallowed, immediately call a doctor. P331 - Do NOT induce vomiting.

GHS

GHS pictgrams



Signal word Danger

GHS Hazard statements May be fatal if swallowed and enters airways.

## 16. OTHER INFORMATION

Full text of the H-phrases and R-phrases referred to in sections 2 and 3

H304 - May be fatal if swallowed and enters airways.

R65 - Harmful; may cause lung damage if swallowed.

Bibliography

1. ACGIH documentation(2001)
2. IARC Monographs Programme on the Evaluation of Carcinogenic Risk to Humans(1984)
3. WHO/IPCS : Environmental Health Criteria (EHC) (1982)
4. WHO/IPCS International Chemical Safety Cards (2001)

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified below. We have reviewed any information contained herein which we received from sources outside the Kyowa Oil Lubricants. However, no warranty or representation, express or implied is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization given or implied to practise any patented invention without a valid licence. Kyowa Oil Lubricants shall not be responsible for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.