

**MATERIAL SAFETY DATA SHEET**

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Revised edition no : 03

P-522 MULTI USE LUBRICATING OIL

Effective Date: 24.4.2024

1 Identification of the Product and the company

Product Name : Multi Use Lubricating Oil
Type of product chemical family : N/A
Producer : TLC-KOYA CHEMICALS MANUFACTURING SDN BHD
No.22 & 23, Jalan Maju 1,
Cemerlang Industrial Estate,
81800 Ulu Tiram, Johor, Malaysia.
Tel: 607-8675798 Fax: 607-8675799
Website: www.koyachemicals.com Email: admin@koyachemicals.com
Emergency phone no. : See producer

2 Hazard Identification**Potential Health Effect****Primary Entry Route**

: Skin

Inhalation: Inhalation of vapours or mist may be irritating to respiratory passages.
Prolonged exposure may result in dizziness and nausea.
Target organ for mineral oil mist is lungs.**Endocrine Active Substance**

: Absent

Eye

: Eye contact may result in slight irritation and redness.

Skin

: Short term contact with skin is unlikely to cause any problems; excessive or prolonged and repeated contact and poor hygiene condition may result in dryness, dermatitis, oil acne, cracking and defatting of the skin. Personnel with pre-existing skin disorders should avoid contact with this product.

Ingestion

: May result in nausea or stomach discomfort.

3 Composition / Information on Ingredients

<u>Ingredients</u>	<u>Percentage</u>
White Oil	> 60%

4 First Aid Measures

Eye Contact : Flush eyes immediately with plenty of water 15 minutes or until irritation. If redness persist seek medical help.

Skin Contact : Wash thoroughly with soap water. Remove contaminated clothing. Resuse only after cleaning.

Inhalation : Remove to fresh air. Assist breathing if necessary. Seek medical help.

Aspiration : If there is any suspicion of aspiration into the lungs obtain medical advice.

Ingestion : If swallowed, observe for signs of stomach discomfort or nausea. If symptoms persist seek medical help. Do not induce vomiting.

5 Fire Fighting Measures

Flash Point : > 150°C

Lower Explosive Level (LEL) : Not determined

Upper Explosive Level (UEL) : Not determined

Flammability Classification : OSHA Class III-B Combustible Liquid

Extinguishing Media : Dry Chemical Powder, Foam, CO₂ and water or fog. Water may be used to cool below the flash point.

Unusual Fire or Explosion Hazards : Do not use forced stream as this could cause fire to spread.

Combustion Products : Fumes, smoke and Carbon Monoxide.

Fire-fighting Instruction and Equipment : Use water to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available)

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6 Accidental Release Measures

Spill/Leak Procedures : Stop spill at source if possible without risk. Contain spill. Eliminate sources of ignition spill area will be slick. Recover all possible material for reclamation. Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spill may require pump or vacuum prior to absorbent may require excavation of severely contaminated soil. Avoid direct contact with skin and eyes.

Spill to navigable waters : If this material is spilled into navigable waters and creates a visible seen, it is reportable to Local Response Centre.

Personal protective equipment should be worn, include a laboratory coat & safety glasses. In natural environments seek clean up advice from specialties to minimize physical habitat damage.

7 Handling and Storage

Handling and Storage Precautions : Keep away from flames, spark or hot surfaces. Never use torch to cut or weld on or near container. Empty oil containers can contain explosive vapours. NFPA Class IIIB storage. Wash thoroughly after handling.

Work/Hygiene Practices : Wash hand with soap and water before eating, drinking, smoking or use of toilet facilities. Take shower after work if general contact occurs. Remove oil-soaked and launder before reuse discard contaminated shoes and gloves.

Storage : Keep container closed. Do not store with strong oxidizing agent's. Do not store at temperature above 120°F or in direct sunlight for extended period of time. Open container carefully and only in well-ventilated areas or use appropriate respiratory protection. Store in well-ventilated area.

8 Exposure Controls / Personal Protection

Engineering Control : Adequate ventilation is required where excessive heating or agitation may occur to maintain concentration below exposure limits.

Eye/Face Protection : Safety glasses or face shield where splashing is possible.

Skin Protection : Avoid prolonged and or repeated skin contact. If prolonged contact cannot be avoided, wear protective gloves (solvent resistant gloves) and clothing.

Respiratory Protection : Normally not required. Respirator should be used in areas where vapour concentration are excessive due to high temperatures or where oil misting occurs.

9 Physical and Chemical Properties

Appearance : Clear, colourless light liquid

Solubility in water : Negligible

Kinematic viscosity @ 40°C : 13-18 cst

Specific gravity @ 20°C : 0.818-0.880 (water=1)

pH : Neutral

% Volatiles by volume @ 21°C (70°F) : Nil

Boiling Point : 260-450°C

Melting Point : Not applicable

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10 Stability / Reactivity

Stability	: Stable under ordinary condition of used and storage.
Polymerization	: Polymetization will not occur.
Chemical Incompatibilities	: Strong oxidizers.
Condition to Avoid	: Source of ignition.
Hazardous Decomposition Product	: Combustion may produce carbon monoxide and carbon dioxide.

11 Toxicological Information

Eye effect	: Minimal irritation on contact.
Skin effects	: Practically non-toxic if absorbed. May cause mild irritation.
Acute Oral Effect	: Test on similar material indicate low order of acute oral toxicity.
Acute Inhalation Effect	: Low acute toxicity expected on inhalation.

12 Ecological Information

Environmental Fate	: No specific ecological data are available.
Environmental Toxicity	: No specific ecological data are available.
Products of biodegradation	: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Persistence and degradability	: The product is not accepted to be readily bio-degradable.
Bio accumulative potential	: No data available.
Mobility in soil	: No data available.
Result of PCT and vPvB assessment	: PBT-Not applicable ; vPvB-Not applicable

13 Disposal Considerations

Follow National, State and Local regulations. Not a RCRA hazardous waste of uncontaminated. If "used", RCRA criteria must be determined. Do not drain/storm sewer. If permitted incineration may be practical. Consider recycling.

14 Transport Information

DOT DESCRIPTION	: This product is not hazardous according to DOT regulations for ground transportation.
ICAO / IATA DESCRIPTION	: This product is not a dangerous good as defined by IATA for air transportation.
IMO DESCRIPTION (IMDG CODE)	: This product is not a dangerous good as defined by IMO in the IMDG Code for water transportation.

15 Regulatory Information

CERCLA/SARA		
302/303/304 categories	: Extremely hazardous substances	: None
311/312 categories	: Immediate (acute) Health Effects	: No
	: Delayed (chronic) Health Effects	: No
	: Fire Hazard	: No
313 categories	: Toxic Chemicals (40 Cfr 372)	: None
Clean Air act	: Hazardous Air Pollutants (HAPS)	: None
	: Ozone depleting Compounds (ODC)	: None
EPA/TSCA Inventory	: This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200	
EPA/TSCA Inventory	: The components of this product are listed on the EPA/TSCA inventory of chemical.	

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16 Other information**Further information****Hazard Rating**0=Least 1=Slight 2=Moderate
3=High 4=Extreme**NFPA/HMIS Classification**Health=1
Fire=1
Reactivity=0

Print date : 24/4/2024

N/A - Not Applicable N/D - Not Determined

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

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