



MATERIAL SAFETY DATA SHEET

Page :1

Revised edition no : 02

P-522 MULTI USE LUBRICATING OIL

Effective Date: 16.8.2019

1 Identification of the Product and the company

Chemical 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 nr : See producer

2 Hazard Identification

Classification of the mixture: Not Classified

GHS label element

Signal Word : No signal word

Hazard Statement: No known significant effects or critical hazards.

Precautionary statements :

Prevention Not applicable

Response Not applicable

Storage Store in well-ventilated place

Disposal Dispose of contents and container in accordance with all local, regional, national and international regulations

3 Composition / Information on Ingredients

Substance Formal Name : Alkanes
Substance Chemical Family : Aliphatic Hydrocarbon

4 First Aid Measures

Inhalation exposure: Remove to fresh air & provide oxygen, if breathing is difficult. Contact physician.
Eyes: Flush contaminated skin with plenty of water. Remove contaminated Clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur. See a physician for treatment of burn. No emergency care anticipated.
Skin contact: Remove contaminated clothing. Flush skin with water. Wash skin thoroughly with mild soap & water. If irritation occurs, call a physician.
Swallowing or other: Do not induce vomiting. In general no treatment is necessary unless large quantities are ingested. Get medical advice.

5 Fire Fighting Measures

SUITABLE EXTINGUISHING AGENTS: WATER, EXTINGUISHING POWDER, CO2 FOAM.
SPECIAL PROTECTIVE EQUIPMENT'S: SELF CONTAINED BREATHING APPARATUS.

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6 Accidental Release Measures

Personal precautions: Prevent formation of dust. Take care for proper ventilation and protective mask.

Environmental precautions- Do not allow to get into Soil , Drains or Water.

Cleanup Procedures - Immediately start cleanup of the liquid and contaminated soil. Small amounts can be collected using absorbent material. Product waste should be disposed in accordance with section 9.

Precautions if material is spilled or release:

Contain or dike spill material where possible. Absorb the remaining material with an inert absorbent & shovel into proper waste disposal container.

7 Handling and Storage

Protective measures during repair/maintenance of contaminated equipment:

Wipe and clean contaminated equipment or parts.

Hygienic practices for handling:

Do not get into eyes. Avoid skin contact & inhalation. Do not take internally.

Storage condition

Store in a cool, dry, ventilated and covered area away from sources of heat, ignition and sunlight. Keep container tightly closed.

8 Exposure Controls / Personal Protection

Control Engineering: Ventilation

Local ventilation is needed if used in a manner that generates year airborne mist.

Mineral Oil Mist:

TWA (PPM) : ACGIH value is 5.0 mg/m3 STEL (PPM) : ACGIH value is 10.0 mg/m3

Exposure Control:

Respiratory Protection: If vapor or mist is generated by heating or other activities, wear an organic vapor respirator with an approved mist filter.

Hand Protection: Use oil resistant gloves that overall to minimize skin contact and contamination of personal clothing.

Eye Protection: Wear Safety glasses or goggles.

Has this product been listed as a carcinogen or potential carcinogen in the 'Annual Report Carcinogen' published by NTP, OSH or the international agency for research on Cancer?
N.A.

9 Physical and Chemical Properties

Appearance, physical state

Almost colorless, white liquid.

Color

Clear White

Odor

Odorless

Boiling point

Above 250°C.

Melting point

NA

Kinematic viscosity @ 40°C

5 – 33 cSt

Specific gravity / density @ 20°C

820 – 860 kg/m3

Solubility in water

Insoluble

Vapour pressure @ 20°C

< 0.1 mm Hg

Vapour density

N.A.

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	Revised edition no : 02
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10 Stability / Reactivity

Flash Point: ABOVE 140 °C. Method Used: ASTM D 92, COC	OSHA Classification: N.A.
Extinguishing media: Water / Fog CO ₂ Foam Dry Chem	DOT Hazard Classification: N.A.
Unusual fire and explosive hazards:	None (Not Flammable), but will burn at high temperature.
Special firefighting procedures:	Ventilate contaminated area. Eliminate all sources of ignition or flammable that may come in contact with spilled material.
Hazardous combustible or Decomposition products:	Prolonged & repeated contact with the material produce skin irritation & no decomposition.
Stability	Stable at room temp.
Hazardous polymerization products	N.A.
Condition to avoid	Extreme heat / sunlight.
Materials to avoid	Open flames and ignition sources.
Incompatible materials	Normally unreactive, however avoid contact with Strong oxidizing agents. Heat or high temperature.

11 Toxicological Information

CARCINOGENICITY	NONE EXPECTED. PRODUCTS / FINISHED MATERIAL (BLENDS OF ABOVE SUBSTANCES) MEETS THE IP 346 – DMSO TEST (< 3% OF PCA), HENCE THE PRODUCT DOES NOT CLASSIFY AS A CARCINOGEN (NOTE "L" OF EU DIRECTIVE 76/769-EEC) AND IS NON HAZARDOUS.
MUTAGENICITY	NO DATA AVAILABLE.
REPRODUCTIVE TOXICITY	CONTAINS NO INGREDIENT LISTED AS TOXIC TO REPRODUCTION

12 Ecological Information

Toxicity

Fish: No data available, **Daphnia Magna:** No data available, **Birds:** No data available.

Persistence and Degradability: Biodegradability: Readily Biodegradable, OECD 301B test - 67%, based on similarly tested raw material.

Bio accumulative potential: Models suggest that petroleum oils may bio accumulate but the bioavailability lower solubility may reduce this potential.

Mobility in soil

The product is insoluble in water and mainly not volatile. In soil, Mineral oil show little mobility and adsorption is the predominant physical process.

Other adverse effects: Risk of ground water and soil contamination. Product can penetrate soil until reaching the surface of ground water. Degradation occurs extremely slowly under anaerobic condition.

13 Disposal Considerations

Waste disposal Method:	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by- products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements..
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MATERIAL SAFETY DATA SHEET	Page :4
	Revised edition no : 02
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14 Transport Information

Not classified as dangerous for conveyance under UN,IMO,ADR/RID and IATA/ICAO codes.

Regulatory Information

: EC Classification : Harmful

EC Symbol : Xn

EC Risk Phrases : R65 Harmful; may cause lung damage if swallowed.

EC Safety Phrases : S62 if swallowed, do not induce vomiting : seek
medical attention immediately.

Einecs (EC) : 292-447-5

16 Other information

Further information

: None

Print date

: 30-6-2014

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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