



SAFETY DATA SHEET

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Revised edition no : 01

P-604 2T 2 STROKE ENGINE OIL

Effective Date: 5.10.2023

1 Identification of the Product and the company

Chemical Name : 2T 2 Stroke Engine Oil
Type of product chemical family : Engine Oil
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 Hazards Identification

Classification of the mixture: Carcinogenicity Category 2
Reproductivity toxicity Category 1B
Hazardous to the aquatic environment (chronic) Category 3

GHS label element

Signal Word : Danger



HAZARD STATEMENT

H351 : Suspected of causing cancer
H360: May damage fertility or the unborn child
H412: Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENT

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.
P308 + P313 IF exposed or concerned: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container in accordance with local/regional/national/international regulation

3 Composition / Information on Ingredients

Mineral Oil (C15 ~ C50) : Mixture
80% ~ 90%

4 First Aid Measures

Inhalation

Generally not an inhalation hazard. Using proper respiratory protection, immediately remove the victim from exposure. Administer artificial respiration if breathing is stopped keep at rest. Call for prompt medical attention.

Skin Contact

Immediately flush with large amounts of water, use soap if available. Remove contaminated clothing shoes, after flushing has begun if irritations persists, get medical attention.

Eye Contact

Immediately flush with large amounts of water or at least 15 minute. Get prompt medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

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5 Fire Fighting Measures

- Fire Fighting Procedures : Use water spray cool fire exposed surfaces and to protect personnel. Shut off "fuel" to fire.
Use dry chemical powder. Foam, carbon dioxide (CO²) or water fog to extinguish fire.
- Special Fire Precautions : Respiratory and eye protection required for fire fighting personnel.
See also Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".
- Hazardous Combustion Products : Fumes, smoke, carbon dioxide (CO²), carbon monoxide (CO), oxides of phosphorus (Toxic), oxides of sulfur (Toxic).

6 Accidental Release Measures

- Land Spill : Contain spilled liquid with sand or earth.
Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
See Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".
- Water Spill : Warm other shipping. Notify port or relevant authority and keep public away.
Shut off source if possible to do so without hazard. Confine if possible.
Remove from surface by skimming or with suitable absorbents. If swallowed by local authorities and environment agencies sinking and or suitable dispersants may be used in non-confined waters.
Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.
See also Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

7 Handling and Storage

- Electrostatic Accumulation Hazard : No, but use proper grounding procedure.
- Loading / Unloading Temperature : 30°C ~ 60°C recommended range.
- Transportation Temperature : 30°C ~ 60°C recommended range.
- Usual Shipping Container : Tank cars, tank trucks, drum, pails, carboys.
- Transport / Storage Pressure : Atmospheric
- Storage Temperature : 45°C maximum
- Materials and Coatings Suitable : Mild steel, stainless steel
- Materials and Coatings unsuitable : Natural rubber, butyl rubber, PVC.

Compatibility with plastic materials can vary, we therefore recommend the compatibility is tested prior to use.

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- Handling / Storage, General Notes : Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well ventilated place away from incompatible materials.
Extreme caution must be used in tank gauging or similar operations because overheating could cause lethal concentrations of hydrogen sulfide to accumulate in the head space of containers.
DO NOT handle, store or open near flame, sources of heat or sources of ignition. Protect material from direct sunlight.
This material is not a static accumulator but use proper bonding and or grounding procedures.
DO NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning.
- Additional Warnings : Product liberates very toxic gas when overheated. Keep at temperature below 60°C.
Container remains hazardous when empty. Continue to observe all precautions.

8 Exposure Controls and Personal Protections

Engineering Control Measures / Ventilation : The use of local exhaust ventilation is recommended to control process emissions near the source. Provide mechanical ventilation of confined spaces, see respiratory protection recommendations.
Personal protection : For open systems where contact is likely, wear long sleeves chemical goggles. Where prolonged contact may occur, wear long sleeves and safety glasses with side shields.
Where concentration in air may be exceedingly high and engineering work practice or other means of exposure reduction are not adequate approved respirators may be necessary to prevent overexposure by inhalation.

9 Physical and Chemical Properties

Appearance : Red liquid
Viscosity at 40 degree celcius : 70cst-90cst
Specific Gravity at 28.9 degree celcius : 0.855

10 Stability and Reactivity

Hazardous polymerization : NO
Stability : Stability
Conditions to avoid instability : Temperature above 60°C
Materials and conditions to avoid incompatibility : Water, strong oxidizing agents

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11 Toxicological Information

Acute Inhalation :

Negligible hazard at ambient (-18 to 38°C) or recommended blending temperature.

Skin contact :

Low order of toxicity. May be slight irritating.

Eye Contact :

Slight irritating and may injure eye tissue if not removed promptly.

Ingestion :

Minimal toxicity.

12 Ecological Information

Environmental Mobility : The environmental assessment is based on component data and that of similar products. The mineral oil component of the products floats and can migrate from water to land.

Environment Degradability : The products are not expected to be readily biodegradable eco-toxicity and bio-accumulation : Long term adverse effects to aquatic organism are possible if continuous.

- Exposure is maintained.
- Can be expected to be harmful to aquatic organism.

13 Disposal Information

- The following advice only applies to the product as supplied.
- Combination with other materials may well indicate another route of disposal. If in doubt, contact TLC-KOYA CHEMICALS MFG SDN BHD or local authorities,
- Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.
- Care should in any case be taken to ensure compliance with national and local authorities.
- This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams and rivers.
- This product will generate an ash if burned. It can be burned directly in appropriate equipment.

14 Transport Information

UN Class : Not classified
ADR/RID : Class : Not classified.
ADR/RID : Hazard identification Number : Not classified.
IMDG-Class : Not classified
IMDG-Marine pollutant : Not classified
IATA-Class : Not classified
UK-Transport-Classification : Not classified

15 Regulatory Information

EC Classification : Not classified
R Phrases : Not classified
S Phrases : Not classified
EC Annex Number : Not listed
FDA List Number : Not listed

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16	Other information
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Further information : None
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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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