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	Revised edition no : 01
	Effective Date: 26.5.2020
<b>P-727 SAE 30 SC/CC ENGINE OIL</b>	

**1 Identification of the Product and the company**

Chemical Name : SAE 30 SC/CC  
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 nr : See producer

**2 Hazards 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**

Mineral Oil (C15 ~ C50) : Mixture  
93% ~ 99%

Ashless anti wear lubricant oil additives : Blend  
1% ~ 7%

**4 First Aid Measures**

**Inhalation** If affected, remove the patient from further exposure into fresh air, if safe to do so. If providing assistance, avoid exposure to yourself - only enter contaminated environments with adequate respiratory equipment. Once removed, lay patient down in a well-ventilated area and reassure them whilst waiting for medical assistance. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance. If irritation develops or persists, consult a Doctor.

**Skin Contact** If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water. If irritation develops or persists, consult a Doctor.

**Eye Contact** If in eyes, hold eyelids apart and flush the eye immediately with large amounts of running water. Continue flushing for at least 15 minutes or until advised to stop by a Doctor. Check for contact lenses. If there are contact lenses, these should be removed after several minutes of rinsing by the exposed person or medical personnel if it can be done easily. After flushing, if irritation develops or persists, seek medical assistance.



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**Ingestion** Rinse mouth out with water. Due to the blend of ingredients present, the manufacturer recommends that if swallowed, do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. If irritation develops or persists or vomiting has occurred after ingestion, seek medical assistance.

#### 5 Fire Fighting Measures

**EXTINGUISHING MEDIA:**

**SUITABLE MEDIA:** Use extinguishing media appropriate for surrounding fire. Use carbon dioxide, foam, dry chemical or water spray. Spray down fumes resulting from fire.

**UNSUITABLE MEDIA:** Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot residue. Product will float on water.

**SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**

**COMBUSTION HAZARD:** Combustion may produce oxides of carbon, calcium, phosphorus, sulphur and zinc, as well as small amounts of molybdenum, smoke and irritating vapours.

**ADVICE FOR FIREFIGHTERS:**

**FIRE:** This product is not flammable under conditions of use. It is a hydrocarbon based liquid that will burn if preheated - Typical Flash Point 238oC. Keep storage tanks, pipelines, fire exposed surfaces, etc. cool with water spray

**EXPLOSION** No information to indicate that the product is an explosion hazard. Extinguish all sources of flame or spark. Closed containers may explode when exposed to extreme heat.

**PROTECTIVE EQUIPMENT:** In the event of a fire, wear full protective clothing and self-contained breathing equipment with full-face piece operated in the pressure demand or other positive pressure mode.

#### 6 Accidental Release Measures

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

**PERSONAL PROTECTION:** For small spills, wear Nitrile gloves, glasses/goggles, boots and full-length clothing. During routine operation a respirator is not required. However, if mists or vapours are generated, an approved organic vapour/particulate respirator is required. For large spills, or in confined spaces, a full chemically resistant bodysuit is recommended and the atmosphere must be evaluated for oxygen deficiency. If in doubt about potential oxygen deficiency wear self-contained breathing apparatus.

**CONTROL MEASURES:** Ventilate area and extinguish and/or remove all sources of ignition. Stop the leak if safe to do so. **CAUTION:** The spilled product will be slippery. Avoid contact with the spilled material.

**EMERGENCY PROCEDURES:** In the event of a spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

**ENVIRONMENTAL PRECAUTIONS:**

**SPILL ADVICE:** Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs.

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**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:**

**CONTAINMENT:** Contain the spill and absorb with a proprietary absorbent material, sand or earth. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

**CLEANING PROCEDURES:** Having contained the spill, as mentioned above, collect all material quickly and place absorbent in suitable containers. Follow local regulations for the disposal of waste. For large spills that have been banded, used the material can be pumped into vessels and returned for reprocessing or destruction. Personnel must wear gloves, goggles or glasses, boots and full-length clothing during cleaning procedures. Wash contaminated area and objects with detergent and water after spill has been cleared. Rinse the cleaned area with water. Do not allow wash water or rinsings to enter drains, surface water, sewers or water courses.

**7 Handling And Storage**

**SAFE HANDLING:**

Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. Prevent small spills and leakage to avoid slip hazards. Properly dispose of any contaminated rags or cleaning materials in order to prevent fire hazards. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers

**SAFE STORAGE:**

This product is a hydrocarbon-based liquid that will burn if preheated. Store in a dry, well ventilated area away from direct sunlight, ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**INCOMPATIBILITIES:** Oxidizing substances including strong acids.

**8 Exposure Controls and Personal Protections**

**EXPOSURE LIMIT VALUES:** Exposure standards for the product have not been established. However, in the operation of certain equipment or at elevated temperatures, if oil mists or aerosols are generated the following Exposure Standard should be observed:  
TWA: 5 mg/m<sup>3</sup>  
STEL: 10 mg/m<sup>3</sup> (ACGIH)

**ENGINEERING CONTROLS:**

Special ventilation is not normally required when using this product in normal use scenarios. However, in the operation of certain equipment, at elevated temperatures, or in confined spaces mists or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels below the nominated exposure standard and at an acceptable level that does not cause irritation.

**INDIVIDUAL PROTECTION MEASURES:**

**EYE & FACE PROTECTION:** Wear safety glasses/goggles to avoid eye contact when handling. If there is a risk of splashing during use, a full face shield is recommended. Use eye protection in accordance with AS 1336 and AS 1337.

**SKIN (HAND) PROTECTION:** If there is the chance of contact with the material wear gloves to provide hand protection. Nitrile rubber gloves are recommended.

**SKIN (CLOTHING) PROTECTION:** During normal operating procedures, long sleeved clothing is recommended to avoid skin contact. Soiled clothing should be washed with detergent prior to reuse.

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**RESPIRATORY PROTECTION:** During routine operation a respirator is not required. However, if mists or vapours are generated, an approved half face organic vapour/particulate respirator is required. Use respirators in accordance with AS 1715 and AS 1716.

**9 Physical and Chemical Properties**

Appearance : Pale Brown Liquid  
Kinematic Viscosity : 0.85 - 0.87 @ 28.9°C  
Specific Gravity : 127 - 175 mm<sup>2</sup>/s @ 40°C

**10 Stability and Reactivity**

**REACTIVITY:** The product does not pose any further reactivity hazards other than those listed in the following sub-sections.

**CHEMICAL STABILITY:** Stable under recommended storage and handling conditions (see section 7).

**POSSIBILITY OF HAZARDOUS REACTIONS:**

Keep away from strong oxidising agents, such as strong acids, chlorates, nitrates and peroxides. Hazardous polymerisation does not occur.

**CONDITIONS TO AVOID:** Observe the usual precautionary measures for handling chemicals. Do not heat the container or leave the container open when not in use. Avoid sources of ignition.

**INCOMPATIBLE MATERIALS:** Strong oxidising including concentrated acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Hazardous decomposition products are not expected to form during normal storage requirements. The product contains dithiophosphate compounds that if heated in the presence of water may decompose to release hydrogen sulphide gas. See Section 5.2 for Hazardous Combustion products.

**11 Toxicological Information**

**SWALLOWED:** This product is expected to have a low order of toxicity associated with it when ingested. It may cause slight irritation to the mouth, throat and digestive tract. During normal usage ingestion should not be a means of exposure.

**SKIN CORROSION/ IRRITATION:**

This product is not expected to exhibit Dermal Corrosivity/Irritation according to OECD Test 404, based on the available data and the known hazards of the components. May be mildly irritating to the skin. This product contains a component that is rated as Causes skin irritation, however this is present at amounts well below the Concentration cut-off levels. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin irritation. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition.

**SERIOUS EYE DAMAGE/ IRRITATION:**

This product is not expected to exhibit Eye Irritation or Serious Damage/ Corrosivity according to OECD Test 405, based on the available data and the known hazards of the components according to the additive package manufacturer. May be mildly irritating to the eyes. Symptoms may include localised burning, redness and tearing. The product contains a dithiophosphate compound that is rated as Causes serious eye damage. Tests conducted using dithiophosphate in base oils, indicate that this is present in the product at amounts well below the Concentration cut-off levels where the product would expect to be irritating to the eyes. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye irritation.

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#### 12 Ecological Information

**ECOTOXICITY:** There is no data available for the product as a whole. Some of the components have been rated as Toxic to aquatic life with long lasting effects while the and May cause long lasting harmful effects to aquatic life. Based upon the calculated values the product is not expected to be rated.

**PERSISTENCE & DEGRADABILITY:**

Based on the available data and the known hazards of the components and similar products the product is not expected to be readily biodegradable. Major constituents are expected to be inherently biodegradable, however the product contains components that may persist in the environment.

**MOBILITY IN SOIL:** If the product enters soil, based upon similar products it is expected that it will adsorb onto soil particles and will not be mobile.

**OTHER ADVERSE EFFECTS:**

Based on the available data and the known hazards of the components and similar products the product is not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential. The product is a mixture of non-volatile components, which are not expected to be released to the air in any significant amounts. The product will float on water.

#### 13 Disposal Information

**DISPOSAL METHODS:**

**PRODUCT:**

The product should not be released to the environment, so any unused material should be recycled wherever possible or be disposed of as hazardous waste at an appropriate collection depot. If this is not possible, the product is suitable for burning in an enclosed burner where it can be used as a fuel source. The product is also suitable for incineration at very high temperatures to prevent formation of undesirable combustion products. Spilled product that cannot be recovered should be absorbed and then shovelled into a suitable waste container, such as a plastic drum and then be treated as a solid waste. Follow Government regulations for disposal of such waste. Do not mix new or used lubricating oils with solvents, brake fluids or coolants when disposing. All unused, waste or spilled product must be taken for recycling or disposal by suitably licensed contractors in accordance with Government regulations.

**CONTAINERS:**

Empty containers may contain residual oil. They should be completely drained and then stored until reconditioned or disposed of. Empty drums should be taken for recycling or disposal through suitably licensed contractors in accordance with Government regulations. Where the containers are of metal construction they should not be pressurised, cut by a grinder, welded, brazed, soldered, drilled or exposed to heat, flames or other sources of ignition. Closed metal containers when exposed to such conditions/treatment may explode causing serious injury or death.

#### 14 Transport Information

**LAND** : This product is not regulated for road and rail transport.  
**SEA - IMDG** : This is not regulated for sea transport.  
**AIR (ICAO/IATA)** : This product is not regulated for air transport.

#### 15 Regulatory Information

**Governing Directive** : Occupational Safety and Health (Classification, packaging and Labelling of Hazardous Chemicals) Regulations 2007 Act 514  
**ACCESSIBILITY** on this CSDS according to the above ACT on Regulation 10. (1)(a), must be available and easily accessible by any person who uses or handles this product.

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Indication of Special Risks : R36/37/38 Irritating to eyes, respiratory system and skin.

Indication of safety Precautions : S2 Keep out of reach of children.  
S9 Keep in a well ventilated place.  
S14 Keep away from strong oxidizing agents - acids, alkaline  
S16 Keep away sources of ignition - "No Smoking"  
S 23 Do not breathe spray, vapour, fumes or gas  
S43 In case of fire, use dry chemical powder, foam, carbon dioxide (CO<sup>2</sup>)  
S56 Do not discharge into drains or the environmental, dispose of an authorized waste collection point

**16 Other information**

Further information : None  
Print date : 26.5.2020

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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