

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION:

Identification of substance / preparation:

Motor Engine Oil SAE: 20W50 API: SL/CF

Application

Automotive engine crankcase lubricant

For specific application advice, please see the appropriate Technical Data Sheet

Ramco Lubricants and Greases Manufacturers FZ L.L.C

Zone K, Al Ghail Industrial Zone FZ

Ras Al Khaimah

United Arab Emirates

Mob: +971 5859 87100

Email: info@ramcolubricants.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition

A blend of mineral base oil together with proprietary performance additives.

Hazardous Components

No component is present at sufficient concentration to require a hazardous classification.

3. HAZARDS IDENTIFICATION

May cause irritation to skin and eyes

The product should be handled in accordance with good industrial hygiene and safety practices. Used Engine oils may contain hazardous components which have the potential to cause skin cancer.

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

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 quantities of the product is unlikely. If it occurs, do not induce vomiting but seek medical advice.

Inhalation

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have a qualified person administer Oxygen through a face mask if breathing is difficult. If symptoms persist, obtain medical advice.

Medical Advice

Treatment should be symptomatic and needs to be palliative. 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 chemical powder or CO₂. 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

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.

In case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.

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 prolonged or frequent skin contact with fresh or used product. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact.

Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.

The use of a recommended barrier cream on the hands before commencing work may be helpful in assisting subsequent removal of any product accidentally contaminating the skin.

After washing, the application of a suitable conditioning cream may help to prevent cracking, fissuring or dryness of the skin.

Fire Prevention

Product contaminated 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.

Storage Conditions

Store under secure conditions. Keep out of reach of children.

Store under cover away from heat, moisture and sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Ensure good ventilation.

Avoid, as far as reasonably practicable, inhalation of vapour, mists or fumes generated during use.

If vapour, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level. The occupational safety and health service of the department of labour recommend a workable exposure standard for an 8 -hour time-weighted average exposure (TWA) of 5 mg / m³ for oil mist.

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 in accordance with the manufacturers' instructions and any statutory requirements governing its selection and use.

Body Protection:

Wear face visor or goggles in circumstances where eye contact can accidentally occur.
Change heavily contaminated clothing as soon as reasonably practicable and launder before re-use. Wash any contaminated underlying skin with soap and water.
If skin contact is likely, wear impervious protective clothing and / or gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Viscous Liquid	
Colour	Natural	
Odour	Oily	
Kinematic viscosity @ 40°C	ASTM D 445	38.1
Kinematic viscosity @ 100°C	ASTM D 445	7.24
Flash point (COC)	ASTM D 92	198

10. STABILITY AND REACTIVITY

Hazardous polymerisation reactions will not occur.

Conditions to Avoid

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

This material is combustible

Avoid contact with strong oxidizing agents

Hazardous Decomposition Products

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

Incomplete combustion / thermal decomposition will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide

11. TOXICOLOGICAL INFORMATION

Eyes

Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

Skin

Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis.

Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use.

Used engine oils may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must be avoided and a high standard of personal hygiene maintained

Ingestion

Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.

Inhalation

At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility

Harmful by inhalation

May cause irritation to eyes, nose and throat due to exposure to vapour, mists or fumes

May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs

12. ECOLOGICAL INFORMATION**Mobility**

Spillages may penetrate the soil causing ground water contamination.

Persistence and degradability

This material is inherently biodegradable.

Bioaccumulative potential

There is no evidence to suggest bioaccumulation will occur.

Aquatic toxicity

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

13. DISPOSAL CONSIDERATIONS**Undiluted fluid**

Where possible, arrange for product to be recycled.

Dispose off 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 off the product and container carefully and responsibly. Do not dispose off near ponds, ditches, down drains or on to soil.

14. TRANSPORT INFORMATION

Not classified as a dangerous goods for transport. The product is combustible with flash point greater than 60.5 Deg.C.

15. REGULATORY INFORMATION

UN Number:

Not allocated.

Hazchem Code:

None allocated.

Proper Shipping Name:

None allocated.

Packing Code:

None allocated.

DG Class:

None allocated.

16 OTHER INFORMATION

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. 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. We 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.

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