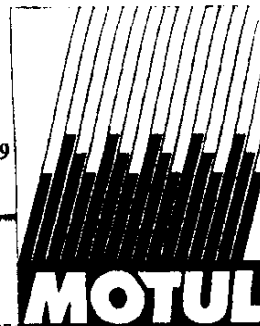


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SAFETY DATA SHEETS

The contents and format of this SDS are in accordance with EEC Commission Directive 91/155/EEC

1 - Chemical product and company identification

Product name : MOTUL 3000 20W50
Product code MOTUL : 3688
Company identification : See above

2 - Composition / Information on ingredients

PREPARATION

Chemical nature : Contains highly refined mineral oils and chemical additives
Components contributing to the hazard: No data available to indicate components may be hazardous

3 - Hazards identification

EEC dangerous preparations directive : Not classified
Transport code : Not classified
Most important hazards : - Adverse human health effects :
This material is not expected to be harmful in normal use.
Specific hazards : - No health hazards known.

4 - First-aid measures

For overexposure, get medical assistance

Inhalation :

- No first aid procedures are normally required. If exposed persons feel unwell, move to fresh air. Seek medical advice if signs and symptoms continue.

Skin contact :

- Remove contaminated clothes. Wash with soapy water. Rinse with plenty of water. Seek medical advice if irritation persists.

Eye contact :

- In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. Seek medical advice if irritation persists.

Ingestion :

- Not first aid procedures are normally required. Do not induce vomiting, because of aspiration risks into respiratory tracts when the patient is unconscious. Alert emergency services.

Product : MOTUL 3000 20W50
Code Motul : 3688

Edition : 1

Page : 1/4
Date : 08.03.94

5 - Fire-fighting measures

Extinguishing media :

- Suitable :

- CO₂, dry chemical, foam, powder, sand, earth.

- Not suitable :

- Water in jet stream

Specific hazards :

- Combustion releases carbon and sulfur oxides.

Specific methods / Protection of firefighters :

- Avoid inhalation of fumes. Use respiratory system to prevent from fumes.

6 - Accidental release measures

Personal precautions :

- Usual precautions as those used for handling mineral oils must be observed.
Provide appropriate protection clothing.

Environmental precautions :

- Prevent product spreading.

Methods for cleaning up :

- Clean up products wastes using appropriate techniques such as absorbents, detergents materials. Where feasible and appropriate, remove contaminated soil. Store contaminated water matters in containers. Waste disposal in compliance with environment protection regulations. Disposal by approved waste management contractor.

7 - Handling and storage

HANDLING

Precautions :

- No particular precautions under normal conditions.

Safe handling advice :

- Frequent skin contact may cause irritation.

STORAGE

Storage conditions

- No particular storage conditions.

Incompatible products :

Packaging materials :

- Recommended :

- Steel drums, bulk storage tanks.

8 - Exposure controls / Personal protection

Eyes :

Avoid contact with eyes. Wear chemical goggles or similar eye protection.

Skin :

Avoid contact with skin or clothing. When handling this material, wear suitable protective clothing including gloves.

Inhalation :

No special respiratory protection is normally required. Avoid prolonged or repeated breathing of mists, fumes or vapor.

Ventilation :

No special ventilation is required.

9 - Physical and chemical properties

* APPEARANCE

- Physical state : Liquid
- Colour :
- Odour :
- * pH : Not applicable
- * Flashpoint (COC) : 257°C
- * Density at 15°C (NF T 60.101) : 0,884
- * Solubility : Soluble in hydrocarbon solvents, insoluble in water
- * Viscosity at 40°C (104°F) : 139 mm²/s
(NF T 60.100)

10 - Stability and reactivity

- Stability : - Material is normally stable at ambient temperature and under normal conditions of use.
- Hazardous decomposition products : - Thermal decomposition may product fumes, water vapour , carbon oxides, sulfur oxides.

11 - Toxicological information

- Acute toxicity : - On the basis of available data, this substance is not expected to cause acute toxicity
- Long term toxicity : - Inhalation : High vapour concentrations may cause slightly irritation to the breathing passage and mucous membranes.
- Skin contact : Prolonged or frequent contact may cause various skin disorders such as dermatitis or oil acne.
- Eye contact : Will cause sligh eye discomfort, but will not injure eyes.
- Ingestion : Ingestion is unlikely to cause adverse health effects..

12 - Ecological information

This material is not expected to present any environmental problems other than those associated with oil wastes.

13 - Disposal considerations

- Waste from residues : Recycle if possible. Disposal by incineration or in landfill in compliance with government regulations.
- Contaminated packaging : Disposal in compliance with environment protection regulations..

14 - Transport information

Not classified

International regulations :

Land : (RTMDR - RID/ADR)	Class : NA Code danger : NA	Chif. / letter : NA	Label :
Sea : (IMDG)	Class : NA Label : NA ES :	Page : NA Group : NA GSMU : NA	
Air : (OACI - IATA)	Class : NA Label : NA	UN Number : NA Group :	

15 - Regulatory information

Classification and labelling according EEC Directives : Not classified

16 - Other informationTypes of use (for other informations,
see the technical sheet) :

CRANKCASE ENGINE OIL

This leaflet complements the instruction leaflet but does not replace it. The information it contains is based on the present state of our knowledge of the product concerned, at the date indicated. It is provided in good faith. The attention of the user is also drawn to the possible risks incurred if the product is put to uses other than those for which it is intended.

It in no way releases the user from knowing and applying the instructions governing usage. He has sole responsibility for taking the necessary precautions for the use he makes of the product.

The sole purpose of the statutory rules mentioned is to help the recipient to fulfil the obligations incumbent upon him when he uses the product. This instruction set must not be considered exhaustive and does not exonerate the recipient from ensuring that there are no other obligations incumbent upon him, in texts other than those cited, concerning the handling and use of the product, for which he is solely responsible.

The above information is based on current knowledge. The aim is to describe the product from the point of view of requirements for safety in use and not to guarantee certain properties.

Revised edition dated :

Supersedes :

Product : MOTUL 3000 20W50
Code Motul : 3688

Edition : 1

Page : 4/4
Date : 08.03.94