



702233-60 MOBILECT 35

MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBILECT 35
17/01/2002

SUPPLIER: ExxonMobil Lubricants & Specialties Europe,
Division of ExxonMobil Petroleum & Chemical, bvba,
Polderdijkweg,
B-2030 Antwerp, Belgium

Environmental/Health Emergency telephone: 01372 222 000 (UK)
44 1372 222 000 (Ireland)

INTENDED USE: Insulating oil

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: SEVERELY REFINED MINERAL OIL

GLOBALLY REPORTABLE MSDS INGREDIENTS:

None.

OTHER INGREDIENTS:

Substance Name	Approx. Wt%	EU Classification
HYDROTREATED LIGHT NAPHTHENIC DISTILLATE (PETROLEUM) (CAS 64742-53-6) (EINECS 265-156-6)	100	NA

3. HAZARDS IDENTIFICATION

Under normal conditions of use, this product is not considered hazardous according to EU regulatory guidelines (see Section 15).

Symbol: Not applicable.

Risk Phrase(s): Not applicable.

POTENTIAL HEALTH EFFECTS: Low viscosity material-if swallowed may enter the lungs and cause lung damage. Prolonged, repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

For further health effects/toxicological data, see Section 11.

NOTE: This product should not be used for any other purpose without expert advice.

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a doctor.

SKIN CONTACT: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with bag-valve-mask device or use mouth-to-mouth resuscitation.

INGESTION: Seek immediate medical attention. Do not induce vomiting.

NOTE TO DOCTORS: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposures. Prevent runoff from fire control or dilution from entering waterways or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, firefighters MUST use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

COMBUSTION PRODUCTS: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

Flash Point C(F): 160(320) (IP 36 / ASTM D-92).

Flammable Limits (approx.% vol.in air) - LELNA, UEL: NA

NFPA HAZARD ID: Health: 0 , Flammability: 1 , Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities such as the local Environmental Health Officer or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade and, if appropriate, the Area Water Authority.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Contain and adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

SPECIFIC USES: Insulating oil

HANDLING: Avoid prolonged, repeated skin contact. Because polychlorinated biphenyls (PCBs) were often used in older transformers and switchgear equipment, it is possible that oil drained from older equipment may be contaminated with PCBs. Avoid contact with used product.

STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

SPECIAL PRECAUTIONS: Prevent small spills and leakages to avoid slip hazard.

EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapour) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

When mists/aerosols can occur, the following are recommended: 5 mg/m³ (as oil mist)- ACGIH Threshold Limit Value (TLV), 10 mg/m³ (as oil mist) - ACGIH Short Term Exposure Limit (STEL)

VENTILATION: Adequate ventilation MUST be provided to ensure personal exposure to mineral oil mist does not exceed 5mg/m³, 8-hour TWA.

RESPIRATORY PROTECTION: Approved respiratory protection equipment MUST be used when mist concentrations exceed suggested exposure limits.

EYE PROTECTION: If splash with liquid is possible, safety glasses with side shields or chemical goggles should be worn.

SKIN PROTECTION: If prolonged or repeated skin contact is likely, oil impervious gloves MUST be worn. Good personal hygiene practices should always be followed.

ENVIRONMENTAL CONTROLS: SEE SECTION 7

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

GENERAL:

PHYSICAL STATE: Liquid

COLOUR: Pale Yellow

ODOUR: Mild

ODOUR THRESHOLD-ppm: NE

IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION:

pH: NA

BOILING POINT C(F): > 330(626)

FLASH POINT C(F): 160(320) (IP 36 / ASTM D-92)

FLAMMABILITY (solids): NE

AUTO FLAMMABILITY C(F): > 250(482)

EXPLOSIVE PROPERTIES: NA

OXIDIZING PROPERTIES: NA

VAPOUR PRESSURE-mmHg 20 C: < 0.1

RELATIVE DENSITY, 15/4 C: 0.9

SOLUBILITY IN WATER: Negligible

PARTITION COEFFICIENT: NE

VISCOSITY AT 40 C, cSt: 8.7

VISCOSITY AT 100 C, cSt: NE

VAPOUR DENSITY: > 2.0

EVAPORATION RATE: NE

OTHER INFORMATION:

MELTING POINT C(F): NE

POUR POINT C(F): -30(-22)

FREEZING POINT C(F): NE

DMSO EXTRACT, IP-346 (WT.%): <3, for mineral oil only

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.

CONDITIONS TO AVOID: Extreme heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidisers.

HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.

HAZARDOUS POLYMERISATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY: Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY: Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY: Not established

EYE IRRITATION: Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.

SKIN IRRITATION: Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

---CHRONIC TOXICOLOGY (SUMMARY)---

Prolonged, repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

---OTHER TOXICOLOGY DATA---

DMSO extract by IP346 is less than 3%.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

ECOTOXICITY: Not established.

MOBILITY: Not established.

PERSISTENCE AND DEGRADABILITY: Not established.

BIOACCUMULATIVE POTENTIAL: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product can be disposed of at an appropriate licensed waste disposal site. Used oil contaminated with PCBs requires expert handling and disposal to avoid serious pollution problems. If it is suspected that oil is contaminated with PCBs it should be kept separate from other waste oils. Contact local authorities for disposal advice. Incineration of PCBs should only be done in specialized facilities under tightly controlled conditions to prevent the formation and/or release of hazardous dioxins.

EUROPEAN WASTE CODE: 13 03 07 (mineral-based non-chlorinated insulating and heat transmission oils) Waste generated from the intended use of this product is assigned the above waste disposal code. However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user. This waste is considered as a hazardous waste pursuant to Directive 91/689/EEC on hazardous waste, and subject to the provisions of that Directive unless Article 1(5) of the Directive applies.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

EU Labelling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives.

Symbol: Not applicable.

Risk Phrase(s): Not applicable.

Safety Phrase(s): S24-62.

Avoid contact with skin. If swallowed, do not induce vomiting:
seek medical advice immediately and show this container or label.

Contains: Base oil - unspecified.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
*** NO REPORTABLE INGREDIENTS ***		

--- REGULATORY LISTS SEARCHED ---

1=IARC 1	6=NO ALLERGI	11=DE TERAT B	16=DE CARC B	21=CH CARC
2=IARC 2A	7=SE ALLERGY	12=DE TERAT C	17=AT TERAT A	
3=IARC 2B	8=SE CARC	13=DE TERAT D	18=AT TERAT B	
4=NTP CARC	9=DK CARC	14=DE CARC A1	19=AT TERAT C	
5=NTP SUS	10=DE TERAT A	15=DE CARC A2	20=AT TERAT D	

CARC=CARCINOGEN; SUS=SUSPECTED CARCINOGEN; TERAT=TERATOGENIC

AT = Austria

DE = Germany

NO = Norway

CH = Switzerland

DK = Denmark

SE = Sweden

16. OTHER INFORMATION

NOTE: EXXONMOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

COSHH Regulations: Product reviewed and no action under COSHH considered necessary.

Any sections of this Material Safety Data Sheet which are printed in bold text highlights recent significant changes which have been made to the advice or information given.

For Internal Use Only: MHC: 1* 1* NE 1* 1*, MPPEC: C, TRN:
702233-60, ELIS: 400483
EHS Approval Date: 17JAN2002

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