

603928-00 MOBIL DTE EXCEL 46
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY
IDENTIFICATION

PRODUCT NAME: MOBIL DTE EXCEL 46
SUPPLIER: EXXONMOBIL OIL CORPORATION
3225 GALLOWS RD.
FAIRFAX, VA 22037
24 - Hour Health and Safety Emergency (call
collect): 609-737-4411
24 - Hour Transportation Emergency:
CHEMTREC: 800-424-9300 202-483-7616
LUBES AND FUELS: 281-834-3296
Product and Technical Information:
Lubricants and Specialties: 800-662-4525
800-443-9966
Fuels Products: 800-947-9147
MSDS Fax on Demand: 613-228-1467
MSDS Internet Website:
<http://emmsds.ihssolutions.com/>

2. COMPOSITION/INFORMATION ON
INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET.
HYDROCARBONS AND ADDITIVES
GLOBALLY REPORTABLE MSDS
INGREDIENTS:
None.
See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

Under normal conditions of use, this product is not
considered hazardous
according to regulatory guidelines (See section 15).
EMERGENCY OVERVIEW: Light Amber Liquid.
Note: Pressurized mists may
form a flammable mixture. DOT ERG No. : NA
POTENTIAL HEALTH EFFECTS: Under normal
conditions of intended use,
this product does not pose a risk to health. Excessive
exposure

may result in eye, skin or respiratory irritation.
For further health effects/toxicological data, see
Section 11.

4. FIRST AID MEASURES

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

SKIN CONTACT: Wash contact areas with soap and
water. Remove and
clean oil soaked clothing daily and wash affected
area.

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.

INHALATION: Not expected to be a problem.

However, if respiratory
irritation, dizziness, nausea, or unconsciousness
occurs due to
excessive vapor or mist exposure, seek immediate
medical
assistance. If breathing has stopped, assist ventilation
with a

mechanical device or mouth-to-mouth resuscitation.

INGESTION: Not expected to be a problem. Seek
medical attention if
discomfort occurs. Do not induce vomiting.

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 exposure. Prevent
runoff from
fire control or dilution from entering streams, sewers,
or

drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire

fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Note: Pressurized mists may form

a flammable mixture.

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

incomplete combustion.

Flash Point C(F): > 200(392) (ASTM D-92).

Flammable Limits (approx.% vol.in air) - LEL: 0.9%,

UEL: 7.0%

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

Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations

require immediate reporting of spills/releases that could reach

any waterway including intermittent dry creeks.

Report

spill/release to Coast Guard National Response Center toll free

number (800)424-8802. In case of accident or road spill notify

CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:

LAND SPILL: Shut off source taking normal safety precautions. Take

measures to minimize the effects on ground water.

Recover by

pumping or contain spilled material with sand or other suitable

absorbent and remove mechanically into containers.

If necessary,

dispose of adsorbed residues as directed in Section 13.

WATER SPILL: Confine the spill immediately with booms. Warn other ships in the vicinity. Notify port and other relevant authorities.

Remove from the surface by skimming or with suitable absorbents. If

permitted by regulatory authorities the use of suitable dispersants

should be considered where recommended in local

oil spill
procedures.
ENVIRONMENTAL PRECAUTIONS: Prevent
material from entering sewers,
water sources or low lying areas; advise the relevant
authorities
if it has, or if it contaminates soil/vegetation.
PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: High pressure injection under the skin
may occur due to the
rupture of pressurized lines. Always seek medical
attention. No
special precautions are necessary beyond normal
good hygiene
practices. See Section 8 for additional personal
protection
advice when handling this product.

STORAGE: Keep containers closed when not in use.
Do not store in open
or unlabelled containers. Store away from strong
oxidizing
agents and combustible materials. Do not store near
heat,
sparks, flame or strong oxidants.

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

EMPTY CONTAINER WARNING: Empty
containers retain residue (liquid
and/or vapor) 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
promptly 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), 5 mg/m³ (as oil mist) - OSHA

Permissible Exposure Limit (PEL)

VENTILATION: If mists are generated, use adequate ventilation, local

exhaust or enclosures to control below exposure limits.

RESPIRATORY PROTECTION: If mists are generated, and/or when ventilation is not adequate, wear approved respirator.

EYE PROTECTION: If eye contact is likely, safety glasses with side

shields or chemical type goggles should be worn.

SKIN PROTECTION: Not normally required. When splashing or liquid

contact can occur frequently, wear oil resistant gloves and/or

other protective clothing. Good personal hygiene practices

should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

APPEARANCE: Liquid

COLOR: Light Amber

ODOR: Mild

ODOR THRESHOLD-ppm: NE

pH: NA

BOILING POINT C(F): > 316(600)

MELTING POINT C(F): NA

FLASH POINT C(F): > 200(392) (ASTM D-92)

FLAMMABILITY (solids): NE

AUTO FLAMMABILITY C(F): NA

EXPLOSIVE PROPERTIES: NA

OXIDIZING PROPERTIES: NA

VAPOR PRESSURE-mmHg 20 C: < 0.1

VAPOR DENSITY: > 2.0

EVAPORATION RATE: NE

RELATIVE DENSITY, 15/4 C: 0.875

SOLUBILITY IN WATER: Negligible

PARTITION COEFFICIENT: > 3.5

VISCOSITY AT 40 C, cSt: 46.0

VISCOSITY AT 100 C, cSt: 6.7

POUR POINT C(F): < -18(0)

FREEZING POINT C(F): NE

VOLATILE ORGANIC COMPOUND: 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 and high
energy sources of ignition.
INCOMPATIBILITY (MATERIALS TO AVOID):
Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:
Product does not decompose at
ambient temperatures.
HAZARDOUS POLYMERIZATION: Will not
occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Practically non-toxic
(LD50: greater than 2000
mg/kg). ---Based on testing of similar products
and/or the
components.
DERMAL TOXICITY (RABBITS): Practically non-
toxic (LD50: greater than
2000 mg/kg). ---Based on testing of similar products
and/or the
components.
INHALATION TOXICITY (RATS): Practically
non-toxic (LC50: greater
than 5 mg/l). ---Based on testing of similar products
and/or the
components.
EYE IRRITATION (RABBITS): Practically non-
irritating. (Draize score:
greater than 6 but 15 or less). ---Based on testing of
similar
products and/or the components.
SKIN IRRITATION (RABBITS): Practically non-
irritating. (Primary
Irritation Index: greater than 0.5 but less than 3).
---Based
on testing of similar products and/or the components.
OTHER ACUTE TOXICITY DATA: Although an
acute inhalation study was not

performed with this product, a variety of mineral and synthetic oils, such as those in this product, have been tested. These samples had virtually no effect other than a nonspecific inflammatory response in the lung to the aerosolized mineral oil. The presence of additives in other tested formulations (in approximately the same amounts as in the present formulation) did not alter the observed effects.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

No significant adverse effects were found in studies using repeated dermal applications of similar formulations to the skin of laboratory animals for 13 weeks at doses significantly higher than those expected during normal industrial exposure. The animals were evaluated extensively for effects of exposure (hematology, serum chemistry, urinalysis, organ weights, microscopic examination of tissues etc.).

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---

No teratogenic effects would be expected from dermal exposure, based on laboratory developmental toxicity studies of major components in this formulation and/or materials of similar composition.

---CHRONIC TOXICOLOGY (SUMMARY)---

Repeated and/or prolonged exposure may cause irritation to the skin, eyes or respiratory tract. Overexposure to oil mist may result in oil droplet deposition and/or granuloma formation.

For mineral base oils: Base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a

continuing basis using various screening methods such as Modified Ames Test, IP-346, and/or other analytical methods. For

synthetic base oils: The base oils in this product have been

tested in the Ames assay and other tests of mutagenicity with negative results. These base oils are not expected to be carcinogenic with chronic dermal exposures.
---SENSITIZATION (SUMMARY)---
Not expected to be sensitizing based on tests of this product, components, or similar products.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

In the absence of specific environmental data for this product, this assessment is based on information for representative products.

ECOTOXICITY: Available ectotoxicity data (LL50 >1000 mg/L) indicates that adverse effects to aquatic organisms are not expected from this product.

MOBILITY: When released into the environment, adsorption to sediment and soil will be the predominant behavior.

PERSISTENCE AND DEGRADABILITY: This product is expected to be inherently biodegradable.

BIOACCUMULATIVE POTENTIAL:

Bioaccumulation is unlikely due to the very low water solubility of this product, therefore bioavailability to aquatic organisms is minimal.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

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.
STATIC ACCUMULATOR (50 picosiemens or less): YES

15. REGULATORY INFORMATION

US OSHA HAZARD COMMUNICATION
STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.
EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.
Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, METI, and DSL.
U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".
SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.
This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program. The following product ingredients are cited on the lists below:
CHEMICAL NAME CAS NUMBER LIST

CITATIONS

 *** NO REPORTABLE INGREDIENTS ***
 --- REGULATORY LISTS SEARCHED ---
 1=ACGIH ALL 6=IARC 1 11=TSCA 4 16=CA P65
 CARC 21=LA RTK
 2=ACGIH A1 7=IARC 2A 12=TSCA 5a2 17=CA
 P65 REPRO 22=MI 293
 3=ACGIH A2 8=IARC 2B 13=TSCA 5e 18=CA
 RTK 23=MN RTK
 4=NTP CARC 9=OSHA CARC 14=TSCA 6 19=FL
 RTK 24=NJ RTK
 5=NTP SUS 10=OSHA Z 15=TSCA 12b 20=IL
 RTK 25=PA RTK
 26=RI RTK
 Code key: CARC=Carcinogen; SUS=Suspected
 Carcinogen; REPRO=Reproductive

16. OTHER INFORMATION

 USE: HYDRAULIC OIL
 NOTE: PRODUCTS OF EXXON MOBIL
 CORPORATION AND ITS AFFILIATED
 COMPANIES
 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:
 INDUSTRIAL LABEL
 Under normal conditions of intended use, this
 product does not pose a
 risk to health. Excessive exposure may result in eye,
 skin or
 respiratory irritation. Always observe good hygiene
 measures. First
 Aid: Wash skin with soap and water. Flush eyes with
 water. If
 overcome by fumes or vapor, remove to fresh air. If
 ingested do not
 induce vomiting. If symptoms persist seek medical
 assistance. Read
 and understand the MSDS before using this product.

 For Internal Use Only: MHC: 1* 1* 1* 1* 1*,
 MPPEC: A, TRN: 603928-00,
 ELIS: 400162, CMCS97: 97E632, REQ: US -
 MARKETING, SAFE USE: L

EHS Approval Date: 06DEC2001

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Prepared by: ExxonMobil Oil Corporation
Environmental Health and Safety Department,
Clinton, USA

[Emergency Numbers](#)