

# Material Safety Data Sheet



## MOTORCRAFT SUPER PREMIUM MOTOR OIL, 5W-30

### # 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

MOTORCRAFT SUPER PREMIUM MOTOR OIL, 5W-30

MSDS Code: MOTC0179

Revised: 08-Oct-2001

#### MANUFACTURER/DISTRIBUTOR

Conoco Inc.  
P.O. Box 2197  
Houston, TX 77252

#### PHONE NUMBERS

Product Information: 1-281-293-5550  
Transport Emergency: CHEMTREC 1-800-424-9300 (U.S. & Canada)  
1-703-527-3887 (international; call collect)  
Medical Emergency: 1-800-342-5119 or 1-281-293-5119

WEB SITE: [www.conoco.com](http://www.conoco.com)

### # 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	%
Hydrotreated distillate, heavy paraffinic	64742-54-7	70-85
Zinc Compound	Mixture	1
Proprietary additives		15-25

If oil mist is generated, exposure limits apply (See Section 8.)

### 3. HAZARDS IDENTIFICATION

#### --- EMERGENCY OVERVIEW ---

#### APPEARANCE / ODOR

Light brown liquid / petroleum hydrocarbon odor.

#### OSHA REGULATORY STATUS

This material is classified as nonhazardous under OSHA Regulations.

HMIS RATING      Health: 1;      Flammability: 1;      Reactivity: 0.  
NFPA RATING      Health: 0;      Flammability: 1;      Instability: 0.

#### Potential Health Effects

Primary Routes of Entry: Skin, inhalation

The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects.

Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause

minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection.

"USED" Motor Oil -

There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

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4. FIRST AID MEASURES

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Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Skin Contact

Wash skin thoroughly with soap and water. If irritation develops and persists, consult a physician.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Ingestion

Material poses an aspiration hazard. If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

Notes to Physicians

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult.

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# 5. FIRE FIGHTING MEASURES

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Flammable Properties

Flash Point (minimum) : 365 F (185 C)  
Method : PMCC

Flash Point (typical) : 424 F (218 C)  
Method : COC

Autoignition : Not Available  
Flammable Limits : Not Applicable

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water may be used to flush spills away from exposures.

Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Remove source of heat, sparks, and flame.

### Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

### Spill Clean Up

Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

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## 7. HANDLING AND STORAGE

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### Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash clothing after use.

### Handling (Physical Aspects)

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

### Storage

Store in accordance with National Fire Protection Association recommendations. Close container after each use. Store away from oxidizers, heat, sparks and flames.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Engineering Controls

#### VENTILATION

Normal shop ventilation.

### Personal Protective Equipment

#### RESPIRATORY PROTECTION

None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSH-approved respiratory protection where necessary to maintain exposures below acceptable limits. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

#### PROTECTIVE GLOVES

Should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended.

#### EYE PROTECTION

Safety glasses with side shields.

#### OTHER PROTECTIVE EQUIPMENT

Coveralls with long sleeves if splashing is probable.

#### OTHER PRECAUTIONS

Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact.

#### Applicable Exposure Limits

If oil mist is generated, exposure limits apply.

PEL (OSHA) : 5 mg/m<sup>3</sup>, 8 Hr. TWA  
TLV (ACGIH) : 5 mg/m<sup>3</sup>, 8 Hr. TWA, STEL 10 mg/m<sup>3</sup>

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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#### Physical Data

Boiling Point : Not Available  
Vapor Pressure : Nil  
Vapor Density : >1 (Air=1.0)  
% Volatiles : Nil  
Evaporation Rate : Nil  
Solubility in Water : Insoluble  
Odor : Petroleum Hydrocarbon (mild).  
Form : Liquid.  
Color : Light brown.  
Specific Gravity : 0.86-0.87 @ 60 F (16 C)  
Density : 7-8 lb/gal @ 60 F (16 C)

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### 10. STABILITY AND REACTIVITY

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#### Chemical Stability

Stable at normal temperatures and storage conditions.

#### Conditions to Avoid

Avoid heat, sparks, and flame.

#### Incompatibility with Other Materials

Incompatible or can react with strong oxidizers.

#### Decomposition

Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

#### Polymerization

Polymerization will not occur.

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### # 11. TOXICOLOGICAL INFORMATION

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#### Animal Data

Mouse skin painting studies have shown that highly refined petroleum base oils similar to ingredients in this product have not caused skin tumors.

Animal skin exposure studies show high concentrations of zinc organic phosphates cause testicular atrophy, but this effect appears related to stress from the chemical causing severe skin irritation. Low concentrations of the zinc component, as occurs in lubricant products, would be unlikely to cause testicular damage.

"USED" Motor Oil -

Laboratory studies with mice have shown that "Used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "Used" motor oil was not removed between applications.

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12. ECOLOGICAL INFORMATION  
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Ecotoxicological Information

No specific aquatic data available for this product.

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13. DISPOSAL CONSIDERATIONS  
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Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Recover nonusable free liquid and dispose of in approved and permitted incinerator. Do not flush to surface water or sanitary sewer system.

Container Disposal

Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner.

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14. TRANSPORTATION INFORMATION  
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Shipping Information

DOT: Not regulated.

ICAO/IMO: Not restricted.

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# 15. REGULATORY INFORMATION  
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U.S. Federal Regulations

OSHA HAZARD DETERMINATION

Under normal conditions of use, this material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SUPERFUND

Not applicable; this material is covered by the CERCLA petroleum exclusion.

SARA, TITLE III, 302/304

Extremely Hazardous Substance: None

SARA, TITLE III, 311/312

Acute : No

Chronic : No

Fire : No

Reactivity : No

Pressure : No

SARA, TITLE III, 313

The material contains the following chemical at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and is subject to toxic chemical release reporting requirements:

Toxic Chemical: Zinc Compound

#### TSCA

Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

#### RCRA

This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria.

#### CLEAN WATER ACT

The material contains the following ingredient(s) which is considered hazardous if spilled into navigable waters and therefore reportable to the National Response Center(1-800-424-8802).

Ingredient(s) : Petroleum Hydrocarbon  
Reportable Quantity : Film or sheen upon, or discoloration of, any water surface

#### State Regulations (U.S.)

##### CALIFORNIA "PROP 65"

This material is not known to contain any ingredient(s) subject to the Act.

##### PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT

This material contains the following ingredient subject to the Pennsylvania Worker and Community Right-to-Know Hazardous Substances List.

Ingredient: Zinc Compound  
Category: Environmental Hazardous Substance

#### Canadian Regulations

This is not a WHMIS Controlled Product.

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#### 16. OTHER INFORMATION

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NOTE: This product or any other hydrocarbon-based lubricant should not be used in non-diaphragm compressors that produce 'breathing air' unless the outlet is monitored continuously for carbon monoxide. These lubricants can produce carbon monoxide when subjected to high temperatures.

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The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Prepared by : MSDS Coordinator  
Address : Conoco Inc.  
> : PO Box 2197  
> : Houston, TX 77252  
Telephone : 1-281-293-5550

# Indicates updated section.