

Mazda North American Operations

Mazda Part Number Index by MSDS Code

MSDS Code: OL012

Mazda Part Number	Product Name	Product Type
0000-77-205W-QT	SAE 5W-30 Super Premium Motor Oil	Oils and Lubricants
0000-77-210W-QT	SAE 10W-30 Super Premium Motor Oil	Oils and Lubricants
0000-77-5W200-QT	SAE 5W-20 Super Premium Motor Oil	Oils and Lubricants

Conoco, Inc

P.O. Box 2197 Houston, TX 77252 (281) 293-5550

OL012-1

PRODUCT NAME: MAZDA MOTOR OIL 5W-30/10W-30

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

PRODUCT NAME: MAZDA MOTOR OIL 5W-30/10W-30

PART NUMBER:

DESCRIPTION: Motor Oil

USE: Passenger Car Engine Oil

MANUFACTURER'S PRODUCT NAMES:

MOTC0097 Revised 26-NOV-1998

Tradenames and Synonyms:

46012, 46013, 46014 - Conoco Base Codes

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

Medical Emergency : 1-800-441-3637

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
Base oils		80-100
Zinc compound	58649-42-3	1-3
Proprietary additives		0-20

If oil mist is generated, exposure limits apply.

SGN

3. HAZARDS IDENTIFICATION

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Potential Health Effects

Primary Route of Entry: Skin

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.

4. FIRST AID MEASURES

First Aid

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.

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.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point (Minimum) : 185 C (365 F) (5W-30)
190 C (374 F) (10W-30)
177 C (351 F) (10W-40)
Method : PMCC

Flash Point (Typical) : 209 C (408 F) (5W-30)
221 C (430 F) (10W-30)
224 C (435 F) (10W-40)
Method : COC

Autoignition : Undetermined

NFPA Classification : Class IIIB Combustible Liquid.

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.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

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 in a cool, dry place. Store in a well ventilated place. Store away from oxidizers, heat, sparks and flames.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

Exposure Guidelines

Applicable Exposure Limits

If oil mist is generated, exposure limits apply.

PEL (OSHA) : 5 mg/m³, 8 Hr. TWA
TLV (ACGIH) : 5 mg/m³, 8 Hr. TWA, STEL 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

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 : Clear, Brown (light).
Specific Gravity : 0.86-0.87 @ 60 F (16 C)
Density : 7.2 lb/gal @ 60 F (16 C)

10. STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid

Heat, sparks, and flames.

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.

11. TOXICOLOGICAL INFORMATION

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Animal Data

Mouse skin painting studies have shown that highly solvent-refined petroleum distillates 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 not have caused 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.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information

No specific aquatic data available for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

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

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.

14. TRANSPORTATION INFORMATION

Shipping Information

DOT
Not Regulated.

ICAO/IMO
Not restricted.

U.S. Federal Regulations

OSHA HAZARD DETERMINATION

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

This material contains the following chemical(s) 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 : Petroleum Hydrocarbons.
Reportable Quantity : Film or sheen upon or discoloration of any water surface.

Constituents listed on Table 116.A found in this material are less than 90 ppm.

State Regulations (U.S.)

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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 may contain the following ingredient(s) 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.

16. OTHER INFORMATION

NFPA, NPCA-HMIS

NFPA Rating
Health : 0
Flammability : 1
Reactivity : 0

NPCA-HMIS Rating
Health : 1
Flammability : 1
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

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.

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

Indicates updated section.

End of MSDS
