

15W40

Trade Name: MOTOR OIL  
Supplier: BP Oil Company

4-HOUR EMERGENCY ASSISTANCE	GENERAL ASSISTANCE	NFPA FIRE HAZARD
P America(In Ohio):800-362-8059 (Outside Ohio):800-321-8642 HEMTREC Assistance:800-424-9300	216-441-8106 (Technical) 216-586-8023 (MSDS)	Flammability: 1 Health : 1 Reactivity : 0 Spl.Hazards:

SDS Number > 1370 Version # : 2  
MANUFACTURER/SUPPLIER:  
P Oil Company  
ADDRESS: 200 Public Square, Cleveland, OH 44114-2375

===== PRODUCT IDENTIFICATION =====ID=  
TRADE NAME:  
ANELLUS MG 15W-40  
Date: 12/16/92

AS NUMBER: MIXTURE  
SYNONYM(S):  
MOTOR OIL; DIESEL AND GASOLINE ENGINE OIL; ALLISON  
C-3  
CHEMICAL FAMILY:  
HYDROCARBON  
MOLECULAR FORMULA: MIXTURE  
MOLECULAR WEIGHT: ND  
PRODUCT CODE: P 3542/3554  
HIERARCHY: 050.080

===== PRODUCT HAZARD SUMMARY =====PH=  
HEALTH  
WARNING!  
MAY BE IRRITATING TO THE SKIN, EYES AND RESPIRATORY TRACT  
POSSIBLE ASPIRATION HAZARD IF SWALLOWED--CAN ENTER LUNGS AND CAUSE DAMAGE  
REPEATED OR PROLONGED SKIN CONTACT WITH USED OIL MAY CAUSE SKIN CANCER

REACTIVITY  
STABLE

===== PRODUCT HEALTH HAZARD INFORMATION =====HH=  
INGESTION:  
May cause gastrointestinal disturbances. Symptoms may include irritation,  
nausea, vomiting and diarrhea. Aspiration into lungs may cause pneumonitis.

SKIN:  
LIGHTLY IRRITATING. Repeated or prolonged contact may result in defatting,  
redness, itching, inflammation, cracking and possible secondary infection.  
Contact with heated material may cause thermal burns.

EYES:  
LIGHTLY IRRITATING. May cause irritation, conjunctivitis and lacrimation.  
Contact with heated material may cause thermal burns.

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**INHALATION:**

May cause respiratory tract irritation. Exposure to high concentrations of engine oil mists may lead to oil pneumonia.

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**SPECIAL TOXIC EFFECTS:**

IARC has determined that there is inadequate evidence for the carcinogenicity of highly-refined oils in humans and experimental animals. (IARC Class--3).

Published studies of the dermal tumorigenicity of unused motor oils generally report a lack of carcinogenic effect. At least one study reports results that suggest a weak dermal carcinogenic potential for such oils. The International Agency for Research on Cancer (IARC), in its review of a large body of literature, has determined that "The data are inadequate to evaluate the carcinogenicity of formulated [petroleum] products as a class . . ."

Used motor oil composite has been reported to be "slightly to moderately carcinogenic" in laboratory animals. IARC has determined that "there is sufficient evidence for the carcinogenicity of one sample of used gasoline-engine oil" to experimental animals.

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**===== FIRST AID =====FA=****INGESTION:**

Do not induce vomiting because of danger of aspirating liquid into lungs. If spontaneous vomiting occurs, monitor for breathing difficulty. Get immediate medical attention.

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**SKIN CONTACT:**

Remove contaminated clothing immediately. Wash area of contact thoroughly with soap and water. Get medical attention if irritation results. Thermal burns require immediate medical attention.

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**EYE CONTACT:**

Rush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation results. Thermal burns require immediate medical attention.

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**INHALATION:**

Remove affected person from source of exposure. If not breathing, ensure clear airway and institute cardiopulmonary resuscitation (CPR). If breathing is difficult, administer oxygen if available. Get immediate medical attention.

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**===== NOTES TO PHYSICIAN =====PN=**

Aspiration of petroleum products may cause a severe chemical pneumonitis (oil pneumonia). Use of an endotracheal tube should be considered if gastric lavage is considered. Gasping, coughing and choking are signs of aspiration. Ingestion of one to two ml/kg body weight usually does not induce systemic toxicity. Poor gastrointestinal absorption limits CNS depression, however aspiration induced hypoxia may lead to CNS depression.

**===== PERSONAL PROTECTION INFORMATION =====PI=****EYE PROTECTION:**

Avoid eye contact with this material. Wear safety glasses or chemical goggles. Provide an eyewash station in the work area.

## KIN PROTECTION:

void skin contact. When working with this substance, wear appropriate chemical protective gloves. Depending upon conditions of use, additional protection may be necessary such as face shield, apron, armcovers, etc.

## RESPIRATORY PROTECTION:

If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

## ===== PHYSICAL PROPERTIES =====PR=

BOILING POINT: 304.44 C (580 F)  
SPECIFIC GRAVITY: 0.881 @ 15.6/15.6 C  
MELTING POINT: NA  
VOLATILE: NEGLIGIBLE  
VAPOR PRESSURE: ND  
EVAPORATION RATE (WATER=1): VERY SLOW  
VAPOR DENSITY (AIR=1): HEAVIER  
VISCOSITY: 14 CST @ 100 C (212 F)  
SOLUBILITY IN WATER: NEGLIGIBLE  
STANOL/WATER PARTITION COEFFICIENT:  
FREEZING POINT: < -23 C (-9.4 F)  
H: ND  
APPEARANCE/ODOR:  
A MEDIUM AMBER COLORED OIL.

## ===== FIRE AND EXPLOSION DATA =====FE=

FLASH POINT: > 215.600 C > 420.0 F  
AUTOIGNITION TEMPERATURE: ND  
FLAMMABILITY LIMITS IN AIR (% BY VOL.) LOWER: NA  
FLAMMABILITY LIMITS IN AIR (% BY VOL.) UPPER: NA  
BASIC FIREFIGHTING PROCEDURES:  
Use water spray, dry chemical, foam or carbon dioxide to extinguish fire. Water or foam may cause frothing, with further application leading to rollover. Use water spray to cool fire-exposed containers, structures and to protect personnel. Use water to flush spills away from sources of ignition. Do not flush down public sewers or other drainage systems. Exposed firefighters must wear MSHA/NIOSH approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

## UNUSUAL FIRE AND EXPLOSION HAZARDS:

Combustible at high temperatures. Irritating or toxic substances may be emitted upon thermal decomposition.

## ===== REACTIVITY DATA =====RD=

STABILITY/INCOMPATIBILITY:  
Stable under conditions of normal use. Avoid contact with strong oxidizers.

## HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS:

Combustion may produce oxides of carbon, sulfur, nitrogen, phosphorus and reactive hydrocarbons.

## Reactivity Hazard: -

This product contains the following toxic chemicals subject to the annual toxic chemical release reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313 (40 CFR 372):

Component:	CAS Number:	Maximum %
Iron and zinc compounds	MIXTURE	5.000

## ADDITIONAL ENVIRONMENTAL REGULATORY INFORMATION:

This material contains a mixture of substances, some of which are listed as toxic pollutants pursuant to 40 CFR 122.21, Appendix D, Tables II/III/V. Any unusual introduction of this substance into the facility's process streams, stormwater and/or wastewater could result in the violation of U.S. Federal law. Facilities must notify the USEPA as soon as they know, or have reason to believe, that any activity has occurred, or will occur, which would result in the discharge of a toxic pollutant which is not regulated in the facility's PDES permit. Notification levels are described in 40 CFR 122.42(a)(1) and 122.42(a)(2). Refer to spill section for additional regulatory requirements.

There may be specific regulations at the local, regional or state level that pertain to this material.

## ===== REGULATORY INFORMATION =====RI=

All components of this product are listed on the TSCA inventory. All components of this product are listed on the Canadian DSL Inventory. The following Canadian Workplace Hazardous Materials Information System (WHMIS) categories apply to this product:

Compressed Gas	-
Flammable/Combustible	-
Oxidizer	-
Acutely Toxic	-
Other Toxic Effects	X
Environmentally Hazardous	-
Corrosive	-
Extremely Reactive	-

## ===== SPECIAL PRECAUTIONS/SUPPLEMENTAL INFORMATION =====SP=

## HANDLING/STORAGE:

Avoid extremes of temperature in storage. Store in tightly closed containers in a cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles. Do not store in unlabeled containers. Do not eat, drink or smoke in areas of use or storage. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Remove contaminated clothing and clean before reuse. Shower after work using soap and water.

## EMPTY CONTAINERS:

Empty containers may contain toxic, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

## ===== TRANSPORTATION REQUIREMENTS (DOMESTIC LAND) =====TR=

DOT PROPER SHIPPING NAME (49 CFR 172.101): PETROLEUM OIL, N.O.I.B.N.

DOT HAZARD CLASS (49 CFR 172.101): NOT REGULATED

NA CODE (49 CFR 172.101): NOT REGULATED

PACKING GROUP (49 CFR 172.101): NOT REGULATED

ILL OF LADING DESCRIPTION (49 CFR 172.202): PETROLEUM OIL, N.O.I.B.N.  
 .O.T. LABELS REQUIRED (49 CFR 172.101): NOT REGULATED  
 .O.T. PLACARDS REQUIRED (49 CFR 172.504): NOT REGULATED

===== INGREDIENTS/HEALTH HAZARD INFORMATION =====IN=  
 COMPONENT | CAS NO. | % | EXPOSURE LIMITS - REF.

COMPONENT	CAS NO.	%	EXPOSURE LIMITS - REF.
distillates, hydrotreated heavy paraffinic	64742-54-7	55-70	5 mg/m <sup>3</sup> TLV; 10 mg/m <sup>3</sup> STE L (ACGIH) for oil mist, mineral 5 mg/m <sup>3</sup> PEL (OSHA) for oi l mist, mineral 5 mg/m <sup>3</sup> TWA; 10 mg/m <sup>3</sup> STE L (NIOSH) for oil mist, mineral

in engine oil additive package containing detergents and dispersants	MIXTURE	10-20	None established
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solvent dewaxed distillate, heavy paraffinic	64742-65-0	1-10	5 mg/m <sup>3</sup> TLV; 10 mg/m <sup>3</sup> STE L (ACGIH) for oil mist, mineral 5 mg/m <sup>3</sup> PEL (OSHA) for oi l mist, mineral 5 mg/m <sup>3</sup> TWA; 10 mg/m <sup>3</sup> STE L (NIOSH) for oil mist, mineral
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remaining components not determined hazardous and/or hazardous components present at less than 1.0% (0.1% for carcinogens).	NA	Trace	NA
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The OSHA Permissible Exposure Limits listed above were promulgated by OSHA in 1989. This standard was vacated by the U.S. Court of Appeals for the Eleventh Circuit. Exposure limits defined in specific chemical standards found in 29 CFR 1910.1001-1048 are not covered by this ruling and are still enforceable.

COMPLETED BY:

BP OIL HSEQ DEPARTMENT

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## ===== ENVIRONMENTAL INFORMATION =====EI=

## PILL OR RELEASE TO THE ENVIRONMENT:

If your facility or operation has an "Oil or Hazardous Substance Contingency Plan", activate its procedures.

- Take immediate steps to stop and contain the spill. Caution should be exercised regarding personnel safety and exposure to the spilled material.
- For technical advice and assistance related to chemicals, contact CHEMTREC (800/424-9300) and your local fire department.
- Notify the National Response Center, if required. Also notify appropriate state and local regulatory agencies, the LEPC and the SERC. Contact the local Coast Guard if the release is into a waterway.

## Emergency Action:

Keep unnecessary people away. Keep ignition sources out of area.

## Spill or Leak Procedure:

Stop leak if you can do it without risk. Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Large Spills: Dike far ahead of liquid spill for later disposal.

## Notification:

In the event of a spill or release, or substantial threat of release, of this material to navigable water (virtually any surface water) sufficient to cause a visible sheen upon the water must be reported immediately to the National Response Center (800/424-8802), as required by U.S. Federal Law. Failure to report may result in substantial civil and criminal penalties. Also contact the Coast Guard and appropriate state and local regulatory agencies.

## HAZARDOUS WASTE DISPOSAL:

This substance, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however it could be characteristically hazardous if it is considered toxic, corrosive, ignitable, or reactive.

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BP OIL HSEQ DEPARTMENT

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