

AMOCO INTERNATIONAL OILCO -- AMOLUBE GEAR LUBRICANT SAE 90 -- 9150-00-932-3357  
===== Product Identification =====

Product ID:AMOLUBE GEAR LUBRICANT SAE 90

MSDS Date:07/20/1992

FSC:9150

NIIN:00-932-3357

MSDS Number: BTQZF

=== Responsible Party ===

Company Name:AMOCO INTERNATIONAL OILCO

Address:200 E RANDOLPH DR

Box:5910-A

City:CHICAGO

State:IL

ZIP:60680

Country:US

Info Phone Num:312-856-5111/REQ M

SDS -2931

Emergency Phone Num:800-447-8735, CHEMTREC 800-424-9300

Preparer's Name:DONALD BARKER

CAGE:6G027

=== Contractor Identification ===

Company Name:AMOCO INTL OIL CO

Address:200 E RANDOLPH DR

Box:5910-A

City:CHICAGO

State:IL

ZIP:60680

Country:US

Phone:800-652-6626

CAGE:6G027

===== Composition/Information on Ingredients =====

Ingred Name:RESIDUAL OILS, HYDROTREATED SOLVENT DEWAXED PETROLEUM OILS

CAS:64742-57-0

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY  
PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038500

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:5 MG/M3 (OIL MIST)

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: MILD EYE IRRITANT.  
TRANSIENT/SLIGHT SKIN IRRITATION. LOW INHALAT  
ION HAZARD. MISTS

ABOVE TLV MAY CAUSE CHEMICAL PNEUMONITIS. LOW HAZARD BY INGESTION.  
VERY LARGE AMOUNTS MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.  
CHRONIC: PROLONGED/REPEATED CONTACT MAY CAUSE DERMATITIS OR  
FOLLICULITIS.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS  
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYE: MILD IRRITATION. SKIN: SLIGHT TRANSIENT  
IRRITATION. INHALATION: DROWSINESS, DIZZINESS, HEADACHE, NAUSEA,

LUNG IRRITATION. INGESTION: HEADACHE, DROWSINESS, NAUSEA, VOMITING,  
DIARRHEA. INJECTION: ERYTHEMA, EDEMA, IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYE: FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15  
MINUTES AND CALL A PHYSICIAN IF ANY COMPLICATION ARISE. SKIN:  
REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. INHALATION:  
REMOVE TO FRESH AIR. GIVE  
OXYGEN/CPR IF NEEDED. SEEK MEDICAL AID.  
INGESTION: DO NOT INDUCE VOMITING. SEEK MEDICAL AID. INJECTION:  
SUBCUTANEOUS INJECTION IS A MEDICAL EMERGENCY. SEEK MEDICAL AID  
IMMEDIATELY.

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===== Fire Fighting Measures =====

Flash Point Method:COC

Flash Point:469F,243C

Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS

. COOL FIRE EXPOSED

CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:WATER MAY CAUSE FROTHING. COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

===== Accidental Release Measures =====

Spill Release Procedures:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. REMOVE IGNITION SOURDES, PROVIDE ADEQUATE VENTILATION, CONTAIN LEAK. ABSORB WITH SUITABLE MATERIAL SUCH AS VERMICULITE OR SAND. PLACE IN APPROPRIATE CONTAINER AND COVER. WASH AREA WITH SOAP AND WATER.

Neutralizing Agent:NOT APPLICABLE.

===== Handling and Storage =====

Handling and Storage Precautions:STORE BELOW 150F, DO NOT APPLY HIGH HEAT OR FLAME TO CONTAINER. KEEP SEPARATE FROM STRONG OXIDIZING AGENTS.

Other Precautions:EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE WHICH COULD INCLUDE FLAMMABLE OR EXPLOSIVE VAPORS. CONSULT APPROPRIATE AUTHORITIES BEFORE REUSING, RECONDITIONING, RECLAIMING, RECYCLING, OR DISPOSING OF EM PTY CONTAINERS AND/OR WASTE RESIDUE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NORMALLY NONE REQUIRED. IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE RESPIRATOR APPROVED FOR ORGANIC VAPOR OR MISTS.

Ventilation:USE IN WELL VENTILATED AREA. IN CONFINED SPACES, MECHANICAL VENTILATION MAY BE REQUIRED TO KEEP BELOW PEL/TLV.

Protective Gloves:NITRILE GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES/FULL FACE SHIELD

Other Protective Equipment:WEAR BODY-COVERING WORK CLOTHES TO AVOID PROLONGED OR REPEATED EXPOSURE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NOTE TO PHYSICIAN: ON INGESTION, AN OIL VISCOSITY OF APPROXIMATELY 800 SUS AT 100F, PRESENTS NO ASPIRATION HAZARD. HOWEVER, FOR LARGE QUANTITIES, LAVAGE MAY STILL BE ADVISED.

===== Physical/Chemical Properties =====

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HCC:V6

Spec Gravity:0.89 (60F)

Viscosity:15.5-17.5CST

Evaporation Rate & Reference: