

02190 HAVOLINE FORMULA 3 MOTOR OIL SAE 10W-30

MSDS Number

BXCPV

National Stock Number

9150-01-230-9749

Product Name

02190 HAVOLINE FORMULA 3 MOTOR OIL SAE 10W-30

Manufacturer

TEXACO LUBRICANTS COMPANY

Product Identification

Product ID:02190 HAVOLINE FORMULA 3 MOTOR OIL SAE 10W-30

MSDS Date:05/12/1994

FSC:9150

NIIN:01-230-9749

MSDS Number: BXCPV

Responsible Party

TEXACO LUBRICANTS COMPANY

HOUSTON , TX 77210-4427

US

Emergency Phone: 914-831-3400 800-424-9300(CHEMTREC)

Info Phone: 800-782-7852

Preparer: MANAGER PRODUCT SAFETY

Cage: TEXLU

Contractor

TEXACO LUBRICANTS CO AFFIL OF TEXACO INC

PROCTORVILLE, OH 45669

US

614-886-7508

Cage: OTTJ3

Ingredients

MINERAL OIL, PETROLEUM DISTILLATE, SOLVENT DEWAXED

CAS: 64742-65-0

RTECS: PY8038501

Fraction By Weight: 65-79.9%

DISTILLATES, SOLVENT-DEWAXED LIGHT PARAFFINIC

CAS: 64742-56-9

RTECS: PY8039500

Fraction By Weight: 20-34.9%

OSHA PEL300 PPM

ACGIH TLV: 300 PPM

ZINC DITHIOPHOSPHATE,ACCESSION NUMBER 81697

Fraction By Weight: 0.1-0.9%

ZINC 0,0-BISISODECYL DITHIOPHOSPHATE

CAS: 25103-54-2

Fraction By Weight: 0.1-0.9%

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >5G/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES:MAY CAUSE MINIMAL

IRRITATION.SKIN:MAY CAUSE IRRITATION AND DEFATTING.INGEST:MAY CAUSE

GI TRACT IRRITATION.INHAL:PRODUCT EXPOSED TO HIGH TEMPERATURES MAY

RELEASE H*2S(SEE HYDROGEN SULFIDE EXPOSURE IN SIGNS AND

SYMPTOMS).MAY CAUSE RESPIRATORY IRRITATION.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT

IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES:TEMPORARY

DISCOMFORT.SKIN:REDNESS,RASH.INHAL:HEADACHE,NAUSEA,DROWSINESS.INGES

T:ABDOMINAL DISCOMFORT,NAUSEA,DIARRHEA.HYDROGEN SULFIDE

EXPOSURE:HEADACHE,DIZZINESS,NAUSEA,DIARRHEA,FLUID ON THE LUNGS .MAY

LEAD TO PARALYSIS,UNCONSCIOUSNESS AND DEATH.

Medical Cond Aggravated by Exposure:BECAUSE OF ITS DEFATTING

PROPERTIES, PROLONGED AND REPEATED SKIN CONTACT MAY AGGRAVATE AN

EXISTING DERMATITIS.

First Aid

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND

WATER.GET MEDICAL ATTENTION IF IRRITATION PERSISTS.EYES:FLUSH WITH

WATER FOR 15 MINUTES.GET MEDICAL ATTENTION IF IRRITATION

PERSISTS.INHAL:REMOVE T O FRESH AIR.GIVE OXYGEN OR ARTIFICIAL

RESPIRATION IF NEEDED.INGEST:IF MORE THAN 2 MOUTHFULS ARE

SWALLOWED,GIVE 2 GLASSES OF WATER(IF CONSCIOUS).GET PROMPT

QUALIFIED MEDICAL ATTENTION.

Fire Fighting

Flash Point Method:COC

Flash Point:>400F,>204C

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY

CHEMICAL. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND

FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER

FOG.

Unusual Fire/Explosion Hazard:HYDROGEN SULFIDE MAY BE RELEASED IF

OVERHEATED.COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS

DECOMPOSITION PRODUCTS AND VAPORS.

Accidental Release

Spill Release Procedures:USE PROPER RESPIRATORY AND PROTECTIVE

EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT

ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.AVOID

CONTAMINATION OF SEWERS AND WATERWAYS.

Neutralizing Agent:NOT APPLICABLE.

Handling

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH

ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, OPEN FLAMES AND STRONG

OXIDANTS. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:AVOID WATER CONTAMINATION.HYDROGEN SULFIDE MAY BE

PRESENT IN THE HEADSPACE OF THE CONTAINER IF IT HAS BEEN EXPOSED TO

HIGH TEMPERATURES DURING STORAGE.AVOID EYE AND SKIN CONTACT. DO NOT

BREATHE VAPORS .

Exposure Controls

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.ALWAYS MONITOR AVAILABLE OXYGEN LEVEL BEFORE ENTERING ENCLOSED SPACES.
Ventilation:MECHANICAL (GENERAL) VENTILATION.
Protective Gloves:NITRILE GLOVES.
Eye Protection:SPLASH GOGGLES IF MISTING.
Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. DISCARD CONTAMINATED SHOES

Supplemental Safety and Health
USED GASOLINE MOTOR OILS HAVE BEEN SHOWN TO CAUSE SKIN CANCER WHEN REPEATEDLY APPLIED TO MOUSE SKIN WITHOUT ANY EFFORT TO REMOVE THE MATERIAL BETWEEN APPLICATIONS. THERE IS NO EVIDENCE OF A CAUSAL RELATIONSHIP BETWEEN SKIN CANCER IN HUMANS AND EXPOSURE TO USED MOTOR OIL.

Chemical Properties

HCC:V6
Vapor Pres:NEGLIGIBLE
Vapor Density:>1
Spec Gravity:0.89
Viscosity:68.8CST@104F
Solubility in Water:NEGLIGIBLE
Appearance and Odor:LIQUID;DARK PALE;ADDITIVE ODOR.
Percent Volatiles by Volume:NIL

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION.AVOID WATER CONTAMINATION.
Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE,HYDROGEN SULFIDE,IRRITATING ALDEHYDES,KETONE,SULFUR COMPOUNDS.

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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