

X-100 MOTOR OIL 40, 51004

MSDS Number

BLHTR

National Stock Number

9150-00N020248

Product Name

X-100 MOTOR OIL 40, 51004

Manufacturer

SHELL OIL COMPANY

Product Identification

Product ID:X-100 MOTOR OIL 40, 51004

MSDS Date:11/03/1988

FSC:9150

NIIN:00N020248

MSDS Number: BLHTR

Responsible Party

SHELL OIL COMPANY

HOUSTON , TX 77210

US

Emergency Phone: 713-473-9461;800-424-9300(CHEMTREC)

Info Phone: 713-241-4819

Preparer: J C WILLETT

Cage: 54527

Contractor

SHELL OIL COMPANY

2463

HOUSTON, TX 77210

US

800-231-6950

Cage: 54527

Ingredients

MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED HEAVY

CAS: 64742-54-7

RTECS: PY8035500

Fraction By Weight: 5-45%

MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED HEAVY

CAS: 64742-52-5

RTECS: PY8035000

Fraction By Weight: 10-35%

MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED

CAS: 64742-18-3

RTECS: PY8032000

Fraction By Weight: 0-40%

SOLVENT REFINED HYDROTREATED RESIDUAL OILS

CAS: 64742-57-0

Fraction By Weight: 10-35%

OSHA PEL5 MG/M3 (OIL MIST)

ACGIH TLV: 5 MG/M3 (OIL MIST)

ADDITIVE CONTAINING ZINC DIALKYL DITHIOPHOSPHATE

Fraction By Weight: 5-10%

MINOR ADDITIVES

Fraction By Weight:

STOR SALVAGE VESSELS. SOAK UP RESIDUE W/ABSORB

RTECS: 9999999ZZ

PROPERLY. FLUSH AREA W/WATER TO REMOVE TRACE RESIDUE.

RTECS: 9999999ZZ

DETERMINED THERE IS SUFFICIENT EVID FOR CARCIN

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:EYE:LUBRICATING OILS ARE GENERALLY CONSIDERED NO MORE THAN MINIMALLY IRRITATING. SKIN:LUBRICATING OILS ARE GENERALLY CONSIDERED NO MORE THAN MILDLY IRRITATING. PRLNG/RPTD CNTCT MAY RESULT IN VARIOUS D ISORDERS SUCH AS DERM, FOLLICULITIS/OILACNE. INHAL: INHAL OF VAP(GENERATED @ HIGH TEMPS ONLY)/OIL MIST (EFTS OF OVEREXP

Explanation of Carcinogenicity:CAS NOS.

64742-54-7,64742-52-5,64742-18-3 ARE LISTED BY THE RTECS AS IARC

GROUP 1 CARCINOGEN.IARC HAS (SEE ING 9)

Effects of Overexposure:HLTH HAZ:FROM PROD MAY RESULT IN MILD IRRIT OF UPPER RESP TRACT. INGEST:LUBRICATING OILS ARE GENERALLY CONSIDERED NO MORE THAN SLIGHTLY TOX.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN & RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO PRODUCT.

First Aid

First Aid:EYE:FLUSH W/H2O FOR @ LST 15 MIN WHILE HOLDING EYELIDS OPEN. GET MD. SKIN:REMOVE CONTAM CLTHG & WIPE EXCESS OFF. WASH W/SOAP & H2O/WATERLESS HAND CLEANER FOLLOWED BY SOAP & H2O. IF IRRIT OCCURS, GET M D. INHAL:REMOVE VICTIM TO FRESH AIR & PROVIDE O2 IF BRTHG IS DFCLT. GET MD. INGEST:DO NOT INDUCE VOMIT. IF GEN NO TREATMENT IS NEC UNLESS LG QTYS OF PROD ARE INGESTED. GET MD. NOTE TO MD: (SUPDAT)

Fire Fighting

Flash Point Method:PMCC

Flash Point:450F,232C
Extinguishing Media:USE WATER FOG, DRY CHEM/CO2. DO NOT USE DIRECT STREAM OF WATER. PROD WILL FLOAT & CAN BE REIGNITED ON SURF OF WATER.
Fire Fighting Procedures:MATL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE-SPACE W/OUT NIOSH/MSHA APPRVD POS-PRESS SCBA & FULL PROT EQUIP . COOL FIRE EXPOSED(SUPDAT)
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

Accidental Release

Spill Release Procedures:MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LG SPILLS. LG SPILLS:WEAR NIOSH/MSHA APPRVD RESP & PROT CLTHG AS APPROP. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE & CONTAIN. REMOVE W/VACUUM TRUCKS/PUMP TO (ING 7)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE IN COOL, DRY PLACE W/ADEQ VENT. KEEP AWAY FROM OPEN FLAMES & HIGH TEMPS. MINIMIZE SKIN CONTACT.
Other Precautions:PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED. HANDLING PROCEDURES & SAFETY PRECAUTIONS SHOULD BE FOLLOWED TO MINIMIZE EXPOSURE TO THE USED MOTOR OIL.

Exposure Controls

Respiratory Protection:IF EXPOS MAY/DOES EXCEED OCCUP EXPOS LIMS USE NIOSH/MSHA APPRVD RESP TO PREVENT OVEREXP. IN ACCORD WITH 20 CFR 1910.134 USE EITHER NIOSH/MSHA APPRVD ATMOSPHERE-SUPPLYING RESP/NIOSH/MSHA APPRVD AIR-PURIFYING RESP FOR ORG VAPS & PARTICULATES.
Ventilation:NONE SPECIFIED BY MANUFACTURER.
Protective Gloves:NITRILE OR CHEMICAL RESISTANT GLOVES.
Eye Protection:CHEM WORK GOGG,FULL LENGTH FCSHLD.
Other Protective Equipment:BUNKER COATS, RUBBER BOOTS & PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE SKIN CONTACT.
Work Hygienic Practices:WASH W/SOAP & H2O BEFORE EATING/DRINKING/ SMOKING/USING TOILET FACILITIES. LAUNDER CONTAM CLTHG BEFORE REUSE.
Supplemental Safety and Health
FIRE FIGHT PROC:CNTNRS W/H2O. HAZ DECOMP PROD:GASES WILL EVOLVE WHEN MATL UNDERGOES PYROLYSIS/COMBUSTION. CO & OTHER UNIDENTIFIED ORG CMPDS MAY BE FORMED UPON COMBUSTION. FIRST AID PROC:IN GEN, EMESIS INDUCTION IS UNNEC IN HIGH VISCOSITY, LOW VOLATILITY PRODS, I. E., MOST OILS & GREASES.

Chemical Properties

HCC:V6
Melt/Freeze Pt:M.P/F.P Text:0F,-18C
Spec Gravity:0.8939
Solubility in Water:NEGLIGIBLE
Appearance and Odor:DARK AMBER OIL, SLIGHT HYDROCARBON ODOR.

Stability

Stability Indicator/Materials to Avoid:YES
OXIDIZING MATERIALS.
Stability Condition to Avoid:AVOID HEAT & OPEN FLAMES.
Hazardous Decomposition Products:THERMAL DECOMP PRODS ARE HIGHLY DEPENDENT ON COMBUST CNDTNS. COMPLEX MIXT OF AIRBORNE SOLID, LIQ, PARTICULATES &(SUPDAT)

Disposal

Waste Disposal Methods:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS .

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