

TOSCO CORPORATION KENDALL MOTOR OIL -- 7012020000, KENDALL NON-DETERGENT 20W-20
-- 9150-01-079-8310

===== Product Identification =====

Product ID:7012020000, KENDALL NON-DETERGENT 20W-20

MSDS Date:07/13/2001

FSC:9150

NIIN:01-079-8310

Status Code:A

MSDS Number: CLJQS

=== Responsible Party ===

Company Name:TOSCO CORPORATION KENDALL MOTOR OIL

Address:3525 HYLAND AVE

City:COSTA MESA

State:CA

ZIP

:92626

Country:US

Info Phone Num:1-800- 762-0942/HELP DESK 8-4PM MST

Emergency Phone Num:(800) 762-0942

CAGE:UO665

=== Contractor Identification ===

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-01-M-LN31

CAGE:0PGK2

Company Name:TOSCO CORP KENDALL MOTOR OIL

Address:3525 HYLAND AVE

Box:City:COSTA MESA

State:CA

ZIP:92626

Country:US

Phone:800-762-0942

CAGE:UO665

===== Composition/Info

Information on Ingredients =====

Ingredient Name: ZINC COMPOUND (CAS# PROPRIETARY)

Minimum % Wt: 0.

Maximum % Wt: 1.

Minimum % Wt: 99.

Maximum % Wt: 100.

OSHA PEL: 5 MG/M3 (OIL MIST)

ACGIH TLV: 5 MG/M3 (OIL MIST)

ACGIH STEL: 10 MG/M3 (OIL MIST)

Ingredient Name: DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY PARAFFINIC

CAS: 64741-88-4

RTECS #: PY8040500

Ingredient Name: DISTILLATES (PETROLEUM), SOLVENT-REFINED LIGHT PARAFFINIC

CAS: 64741-89-5

RTECS #: PY8041500

Ingredient Name: DISTILLATES (PETROLEUM), SOLVENT-REFINED

HEAVY NAPHTHENIC

CAS: 64741-96-4

RTECS #: PY8040000

Ingredient Name: DISTILLATES (PETROLEUM), SOLVENT-REFINED LIGHT NAPHTHENIC

CAS: 64741-97-5

RTECS #: PY8041000

Ingredient Name: RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED

CAS: 64742-01-4

Ingredient Name: DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC

CAS: 64742-52-5

RTECS #: PY8035000

Ingredient Name: DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

CAS: 64742-53-6

RTECS #: PY8036000

Ingredient Name: DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC

CAS:

64742-54-7
RTECS #:PY8035500

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC
CAS:64742-55-8
RTECS #:PY8036500

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC
CAS:64742-56-9
RTECS #:PY8039500

Ingred Name:HYDROTREATED RESIDUAL OIL (PETROLEUM)
CAS:64742-57-0

Ingred Name:RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED
CAS:64742-62-7

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY NAPHTHENIC
CAS:64742-63-8
RTECS #:PY8038000

Ingred Name:DISTILLATES
(PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC
CAS:64742-65-0
RTECS #:PY8038500

Ingred Name:LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL
OIL-BASED, HIGH-VISCOSITY
CAS:72623-85-9

Ingred Name:LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL
OIL-BASED
CAS:72623-86-0

Ingred Name:LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL
OIL-BASED
CAS:72623-87-1

Ingred Name:ADDITIVES (CAS# PROPRIETARY)

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

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

Health Hazards Acute and Chronic:EYE: CONTACT MAY CAUSE MILD EYE IRRITATION INCLUDING STINGING, WATERING, AND REDNESS. SKIN: CONTACT MAY CAUSE MILD SKIN IRRITATION INCLUDING REDNESS, AND A BURNING SENSATION. PROLONGED OR REPEATED CONTACT CAN WORSEN IRRITATION BY CAUSING DRYING AND CRACKING OF THE SKIN LEADING TO DERMATITIS (INFLAMMATION). NO HARMFUL EFFECTS FROM SKIN ABSORPTION ARE EXPECTED. INHALATION (BREATHING): NO INFORMATION AVAILABLE.

STUDIES BY OTHER EXPOSURE ROUTES SUGGEST A LOW DEGREE OF TOXICITY BY INHALATION. INGESTION (SWALLOWING): NO HARMFUL EFFECTS EXPECTED FROM INGESTION.

Explanation of Carcinogenicity:INADEQUATE EVIDENCE AVAILABLE TO EVALUATE THE CANCER HAZARD OF THIS MATERIAL.

Effects of Overexposure:EFFECTS OF OVEREXPOSURE MAY INCLUDE IRRITATION OF THE NOSE AND THROAT, IRRITATION OF THE DIGESTIVE TRACT, NAUSEA AND DIARRHEA.

Medical Cond Aggravated by Exposure:CONDITIONS AGGRAVATED BY EXPOSURE MAY INCLUDE SKIN DISORDERS.

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

First Aid:EYE: IF IRRITATION OR REDNESS DEVELOPS, MOVE VICTIM AWAY FROM EXPOSURE & INTO FRESH AIR. FLUSH EYES W/ CLEAN WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. SKIN: WIPE MATERIAL FROM SKIN & REMOVE CONTAMINATED SHOES & CLOTHING. WASH W/ MILD SOAP & WATER &, IF NECESSARY, A WATERLESS SKIN CLEANSER. IF IRRITATION OR REDNESS DEVELOPS & PERSISTS, SEEK MEDICAL ATTENTION. INHALATION: IF RESPIRATORY SYMPTOM DEVELOP, MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE & INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING, CLEAR AIRWAY & IMMEDIATELY BEGIN. INGESTION: FIRST AID NOT NORMALLY REQUIRED.

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

Flash Point Method:COC
Flash Point:~200.C, 392.F
Lower Limits:NO DATA
Upper Limits:NO DATA
Extinguishing Media:DRY

CHEMICAL, CARBON DIOXIDE, FOAM OR WATER SPRAY IS RECOMMENDED. WATER OR FOAM MAY CAUSE FROTHING OF MATERIALS HEATED ABOVE 212F. CARBON DIOXIDE CAN DISPLACE OXYGEN. USE CAUTION

Fire Fighting Procedures:FOR FIRES BEYOND THE INCIPIENT STAGE, EMERGENCY RESPONDERS IN THE IMMEDIATE HAZARD AREA SHOULD WEAR BUNKER GEAR. WHEN THE POTENTIAL CHEMICAL HAZARD IS UNKNOWN, IN ENCLOSED OR CONFINED SPACES, OR WHEN EXPLICITLY REQUIRED BY DOT, A SCBA SHOULD BE WORN. IN ADDITION, WEAR OTHER APPROPRIATE PROTECTIVE EQUIPMENT AS CONDITION

Unusual Fire/Explosion Hazard:THIS MATERIAL MAY BURN, BUT WILL NOT IGNITE READILY. VAPORS ARE HEAVIER THAN AIR AND CAN ACCUMULATE IN LOW AREAS. IF CONTAINER IS NOT PROPERLY COOLED, IT CAN RUPTURE IN THE HEAT OF A FIRE.

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

Spill Release Procedures:THIS MATERIAL MAY BURN, BUT WILL NOT IGNITE READILY. KEEP ALL SOURCES OF IGNITION AWAY FROM SPILL/RELEASE. STAY UPWIND & AWAY FROM SPILL/RELEASE. NOTIFY PERSONS DOWN WIND OF THE SPILL/RELEASE, ISOLATE IMMEDIATE HAZARD AREA & KEEP UNAUTHORIZED PERSONNEL OUT. STOP SPILL/RELEASE IF IT CAN BE DONE WITH MINIMAL RISK. WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESPIRATORY PROTECTION AS CONDITIONS

Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER

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

Handling and Storage Precautions:DO NOT ENTER CONFINED SPACES SUCH AS TANKS OR PITS WITHOUT FOLLOWING PROPER ENTRY PROCEDURES SUCH AS ASATM D-4276 AMD 29CFR 1910.146. THE USE OF APPROPRIATE RESPIRATORY PROTECTION IS ADVISED WHEN CONC ENTRATIONS EXCEED ANY ESTABLISHED EXPOSURE LIMITS. DO NOT WEAR CONTAMINATED CLOTHING OR SHOES.

Other Precautions:USE GOOD PERSONAL HYGIENE PRACTICES. HIGH PRESSURE INJECTION OF HYDROCARBON FUELS, HYDRAULIC OILS OR GREASES UNDER THE SKIN MAY HAVE SERIOUS CONSEQUENCES EVEN THOUGH NO SYMPTOMS OR INJURY MAY BE APPARENT.

THIS CAN HAPPEN ACCIDENTALLY WHEN USING HIGH PRESSURE GREASE GUNS, FUEL INJECTION APPARATUS OR FROM PINHOLE LEAKS

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

Respiratory Protection:A NIOSH CERTIFIED AIR PURIFYING RESPIRATOR W/A TYPE 95 (R OR P) PARTICULATE FILTER MAY BE USED UNDER CONDITIONS WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS. PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS IS LIMITED (SEE MANUFACTURER'S R

ESPIRATOR SELECTION GUIDE).

Ventilation:IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS, ADDITIONAL VENTILATION OR EXHAUST

Protective Gloves:GLOVES IMPERVIOUS TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN

Eye Protection:APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION,

Other Protective Equipment:A SOURCE OF CLEAN WATER SHOULD BE AVAILABLE IN THE WORK AREA FO

R FLUSHING EYES AND SKIN. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED.

Work Hygienic Practices:USE GOOD PERSONAL HYGIENE PRACTICES.

Supplemental Safety and Health

NOTE TO PHYSICIAN: HIGH-PRESSURE HYDROCARBON INJECTION INJURIES MAY PRODUCE SUBSTANTIAL NECROSIS OF UNDERLYING TISSUE DESPITE AN INNOCUOUS APPEARING EXTERNAL WOUND. OFTEN THESE INJURIES REQUIRE EXTENS IVE EMERGENCY SURGICAL DEBRIDEMEN AND ALL INJURIES SHOULD BE EVALUATED BY A SPECIALIST IN ORDERTO ASSESS THE EXTENT

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

HCC:V6

Boiling Pt:B.P. Text:HIGH W/ WIDE RANGE

Melt/Freeze Pt:M.P/F.P Text:NO DATA

Vapor Pres:12

Spec Gravity:0.87 - 0.88

Viscosity:6.8-7.2 CST @100C

Evaporation Rate & Reference: