

PENNZOIL COMPANY

-- MULTI-GRADE MOTOR OIL - ALL GRADES

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MSDS Safety Information
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FSC: 9150
MSDS Date: 04/23/1998
MSDS Num: CHVFL
LIIN: 00N089470
Product ID: MULTI-GRADE MOTOR OIL - ALL GRADES
MFN: 01
Responsible Party
Cage: 83589
Name: PENNZOIL COMPANY
Box: 2967
City: HOUSTON TX 77252-2967
Info Phone Number: 800-546-6040
Emergency Phone Number: 800-546-6040
Published: Y

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Contractor Summary
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Cage: 83589
Name: PENNZOIL COMPANY
Address: UNKNOWN
Box: 808
City: OIL CITY PA 16301
Phone: 713-236-6070/713-546-8512

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Ingredients
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Name: BASE LUBRICATING OILS
% Wt: 75-85
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

RTECS #: 1008820DI
Name: DETERGENT/INHIBITOR SYSTEM
% Wt: 5-15
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

RTECS #: 1005992AF
Name: VISCOSITY INDEX IMPROVER
% Wt: 5-15
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

RTECS #: 1003135PD
Name: POUR POINT DEPRESSANT
% Wt: <1
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Name: ANTIFOAM ADDITIVE
% Wt: <1
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Name: SUP DAT: PROD HAS LAXATIVE PROPERTIES & MAY RSLT IN ABDOM CRAMPS
& DIARR. ON RARE OCCASIONS, PRLNG & RPTD EXPOS

Name: ING 6: TO OIL MIST POSES RISK OF PULM DISEASE SUCH AS CHRONIC LUNG
INFLAMM. THIS CNDTN IS USUALLY ASYMPTOMATIC

Name: ING 7: AS A RSLT OF RPTD SML ASPIRS. SHORTNESS OF BREATH & COUGH ARE
MOST COMMON SYMPS. PROD BELONGS TO IARC

Name: ING 8: CLASSIFICATION GROUP 3, "NOT CLASSIFIED AS TO ITS CARCIN TO
HUMANS". PROD IS NOT CARCIN ACCORDING TO OSHA

Name: ING 9: HAZ COMMUNICATION STD. IARC HAS CONCLUDED THERE IS SUFFICIENT
EVIDENCE THAT USED GASOLINE-ENGINE MOTOR

Name: ING 10: OILS PRODUCE SKIN TUMORS IN EXPERIMENTAL ANIMALS.

Name: FIRST AID PROC: (GIVE OXYGEN/ARTIFICIAL RESPIRATION) (FP N). INGESTION:
DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

Name: SPILL PROC: SAND, CLAY, ETC. LGE SPILLS MAY BE PICKED UP USING VACUUM
PUMPS, SHOVELS, BUCKETS OR OTHER MEANS &

Name: ING 13: PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

Name: WASTE DISP METH: DEPARTMENT OF TRANSPORTATION (DOT) REGS MAY APPLY FOR
TRANSPORTING THIS MATL WHEN SPILLED.

Name: ING 15: WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT APPROVED
FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

Name: VENT: TO MAINTAIN CONCENTRATIONS BELOW THE SPECIFIED EXPOSURE OR
FLAMMABLE LIMITS.

Name: OTHER PROT EQUIP: FOR PRLNG/RPTD EXPOS, USE IMPERVIOUS CLTHG (BOOTS,
GLOVES, APRONS, ETC) OVER PARTS OF BODY

Name: ING 18: SUBJECT TO EXPOS. IF HNDLG HOT MATL, USE INSULATED PROT CLTHG
(BOOTS, GLOVES, APRONS, ETC).

Name: HYGIENE PRACT: W/SOAP & WATER BEFORE EATING, DRINKING/SMKNG. LAUNDER
SOILED CLOTHES. PROPERLY DISPOSE OF CONTAM

Name: ING 20: LEATHER ARTICLES INCLUDING SHOES, WHICH CANNOT BE
DECONTAMINATED.
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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE: EYES: PRACTICALLY NON-IRRITATING UPON DIRECT

CONT. BASED ON TESTING OF SIMILAR PRODS &/OR COMPONENTS. SKIN: MIN IRRITATING UPON DIRECT CONT. BASED ON TESTING OF SIMILAR PRODS &/OR COMPONENTS. PRLNG/RPTD CONT MAY RSLT IN CONT DERM INC L DRYNESS, CHAPPING, & REDDENING. THIS CNDTN MAY MAKE SKIN (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT.

Signs And Symptions Of Overexposure: HLTH HAZ: MORE SUSCEPTIBLE TO OTHER IRRITANTS, SENSITIZERS, & DISEASE. PRLNG/RPTD CONT MAY RSLT IN OIL ACNE INCL BLACKHEADS W/POSS SECONDARY INFECTION. INHAL: PROD HAS LOW VAP PRESS & IS NOT EXPECTED TO PRESENT INHAL HAZ AT AMBIENT CNDTNS. CAUTION SHOULD BE TAKEN TO PVNT AEROSOLIZATION/MISTING OF THIS PROD. (SUP DAT)

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYES: IMMED FLUSH W/LGE AMTS OF WATER & CONTINUE FLUSHING UNTIL IRRIT SUBSIDES (FOR AT LEAST 15 MIN). IF MATL IS HOT, TREAT FOR THERMAL BURNS & TAKE VICTIM TO HOSPITAL IMMED. SKIN: REMOVE CONTAM CLTHG. WASH CONTAM AREA THORO W/SOAP & WATER. IF MATL IS HOT, SUBMERGE INJURED AREA IN COLD WATER. IF VICTIM IS SEV BURNED, REMOVE TO HOSPITAL IMMED. INHAL: REMOVE TO FRESH AIR. SUPPORT BRTHG

Handling and Disposal

Spill Release Procedures: CONSULT HLTH EFT INFO, PERS HLTH PROT INFO, FIRE PROT INFO, & REACTIVITY DATA. NOTIFY APPROP AUTH OF SPILL. CONTAIN SPILL IMMED. DO NOT ALLOW SPILL TO ENTER SEWERS/WATERCOURSES. REMOVE ALL SOURCES OF IGNIT. ABSORB W/APPROP INERT MATL SUCH A S

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: ALL DISPS MUST COMPLY W/FED, STATE, & LOC REGS. MATL, IF SPILLED/DISCARDED, MAY BE REGULATED WASTE. REFER TO STATE & LOC REGS. CAUTION! IF REGULATED SOLVS ARE USED TO CLEAN UP SPILLED MATL, RESULTING WASTE MIXTURE MAY BE REGULATED.

Handling And Storage Precautions: AVOID SKIN CONT. DO NOT INGEST. DO NOT TRANSFER TO UNMARKED CONTRS. STORE IN CLSD CONTRS AWAY FROM HEAT, SPKS, OPEN FLAME/OXIDIZING MATLS.

Other Precautions: THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS UNDER DOTREGS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. SEE NFPA 30 & OSHA 1910.106--FLAM & COMBUST LIQUIDS. THIS PROD IS NOT A CONTROLLED SUBSTANCE UNDER CANADIAN W REGULATIONS.

Fire and Explosion Hazard Information

Flash Point Method: COC

Flash Point Text: 432F, 222C

Extinguishing Media: USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.

Fire Fighting Procedures: WEAR NIOSH APPRVD SCBA & FULL PROT EQUIP (FP N). WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTRS EXPOSED TO HEAT/FLAME. CAUTION SHOULD BE (SUP DAT)

Unusual Fire/Explosion Hazard: DENSE SMOKE MAY BE GENERATED WHILE BURNING. CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION.

Control Measures

Respiratory Protection: RESP PROT IS NOT REQUIRED UNDER CNDTNS OF NORM USE. IF VAP/MIST IS GENERATED WHEN MATL IS HEATED/HANDLED, USE ORG VAP RESP W/DUST & MIST FILTER. ALL RESPS MUST BE NIOSH CERTIFIED. DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.

Ventilation: IF VAP/MIST IS GENERATED WHEN MATL IS HEATED/HANDLED, ADEQ VENT I/A/W GOOD ENGINEERING PRACT MUST BE PROVIDED

Protective Gloves: IMPERVIOUS GLOVES FOR PRLNG/RPTD EXPOS.
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).
Other Protective Equipment: ANSI APPRVD EMER EYEWASH & DELUGE SHOWER (FP N).
NO SKIN PROT IS REQUIRED FOR SINGLE, SHORT DURATION EXPOS.
Work Hygienic Practices: AVOID CONSUMPTION OF FOOD & BEVERAGE IN WORK AREAS
WHERE HYDROCARBONS ARE PRESENT. ALWAYS WASH HANDS & FACE
Supplemental Safety and Health: FIRE FIGHT PROC: EXERCISED WHEN USING
WATER/FOAM AS FROTHING MAY OCCUR, ESP IF SPRAYED INTO CONTRS OF HOT,
BURNING LIQ. EFTS OF OVEREXP: EXPOS BELOW 5 MG/M3 APPEAR TO BE W/OUT
SIGNIFICANT HLTH RISK. SHORT-TERM EXPOS LIM FOR THIS PROD AS OIL MIST IS
10 MG/M3. INGEST: THIS PROD IS RELATIVELY NON-TOX BY INGEST.

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Physical/Chemical Properties

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B.P. Text: >800F,>427C
M.P/F.P Text: -30F,-34C
Spec Gravity: 0.8700
Solubility in Water: NIL
Appearance and Odor: CLEAR AND BRIGHT WITH NORMAL ODOR.

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Reactivity Data

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Stability Indicator: YES
Stability Condition To Avoid: NONE.
Materials To Avoid: MAY REACT WITH STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products: NONE.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NOT RELEVANT.

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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HAZCOM Label

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Product ID: MULTI-GRADE MOTOR OIL - ALL GRADES
Cage: 83589
Company Name: PENNZOIL COMPANY
Street: UNKNOWN
PO Box: 808
City: OIL CITY PA
Zipcode: 16301
Health Emergency Phone: 800-546-6040
Label Required IND: Y
Date Of Label Review: 08/26/1998
Status Code: C

Label Date: 08/26/1998

Origination

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: ACUTE: EYES: PRACTICALLY NON-IRRITATING UPON DIRECT CONTACT. SKIN: MINIMALLY IRRITATING UPON DIRECT CONTACT. PROLONGED OR REPEATED CONTACT MAY RESULT IN CONTACT DERMATITIS INCLUDING DRYNESS, CHAPPING, AND REDDENING. INHALATION: NOT EXPECTED TO PRESENT A HAZARD AT AMBIENT CONDITIONS. INGESTION: MAY CAUSE ABDOMINAL CRAMPS AND DIARRHEA. CHRONIC: USED GASOLINE MOTOR OILS PRODUCE SKIN TUMORS IN LABORATORY ANIMALS. POSSIBLE SKIN SENSITIZATION.

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