

SAFETY-KLEEN CORP -- AMERICA'S CHOICE DIESEL MOTOR OIL,MIL-PRF-2104 -- 9150-01-433-7970

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

Product ID:AMERICA'S CHOICE DIESEL MOTOR OIL,MIL-PRF-2104

MSDS Date:04/29/1999

FSC:9150

NIIN:01-433-7970

Status Code:A

MSDS Number: CJRTC

=== Responsible Party ===

Company Name:SAFETY-KLEEN CORP

Address:1301 GERVAIS STREET SUITE 300

City:COLUMBIA

State:SC

ZIP:29201

Country:US

Info Phone Num:803-933-4200/800-265-2792 TECH?

Emergency Phone Num:800-752-7869X2 MEDICAL

Resp. Party Other MSDS Num.:82506

Preparer's Name:PRODUCT MSDS COORDINATOR

CAGE:TO081

=== Contractor Identification ===

Company Name:SAFETY-KLEEN CORP

Address:1301 GERVAIS ST, SUITE 300

Box:City:COLUMBIA

State:SC

ZIP:29201

Country:US

Phone:1-803-933-4200

Contract Num:SP0450-00-MB302

CAGE:30530

Company Name:SAFETY-KLEEN CORP

Address:1301 GERVAIS STREET SUITE 300

Box:City:COLUMBIA

State:SC

ZIP:29201

Country:

US

Phone:803-933-4200/800-265-2792 TECH?

CAGE:TO081

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

Ingred Name:LUBRICATING OILS (PETROLEUM), HYDROTREATED SPENT

CAS:64742-58-1

Minumum % Wt:30.

Maxumum % Wt:95.

Ingred Name:RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED

CAS:64742-62-7

Minumum % Wt:0.

Maxumum % Wt:50.

Ingred Name:RESIDUAL OILS (PETROLEUM), HYDROTREATED

CAS:64742-57-0

Minumum % Wt:0.

Maxumum % Wt:50.

Ingred Name:LUBRICATING OILS (PETROLEUM), C>25, HYDROTREATED  
BRIGHT

STOCK-BASED

CAS:72623-83-7

Minumum % Wt:0.

Maxumum % Wt:50.

Ingred Name:MINERAL OIL

Minumum % Wt:0.

Maxumum % Wt:50.

Ingred Name:ADDITIVES

Minumum % Wt:0.

Maxumum % Wt:9.

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC

CAS:64742-54-7

RTECS #:PY8035500

Minumum % Wt:0.

Maxumum % Wt:6.

Ingred Name:DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC

CAS:64742-65-0

RTECS #:PY8038500

Minumum % Wt:0.

Maxumum % Wt:6.

Ingred Name:ALKARYL AMINE

Minumum % Wt:0.

Maxu

mum % Wt:2.

Ingred Name: BENZENAMINE, N-PHENYL-, REACTION PRODUCTS WITH  
2,4,4-TRIMETHYLPENTENE

CAS:68411-46-1

Minumum % Wt:0.

Maxumum % Wt:1.5

Ingred Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC  
SALTS

CAS:68649-42-3

Minumum % Wt:0.

Maxumum % Wt:1.5

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

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Health Hazards Acute and Chronic: PROLONGED OR  
REPEATED INHALATION OF

OIL MIST MAY CAUSE PNEUMONIA, LUNG TISSUE INFLAMMATION, AND/OR  
FIBROUS TISSUE FORMATION. PROLONGED OR REPEATED EYE CONTACT MAY  
CAUSE INFLAMMATION OF THE MEMBRANE LINING THE EYELIDS AND COVERING  
THE EYEBALL (CONJUNCTIVITIS). PROLONGED OR REPEATED SKIN CONTACT  
MAY CAUSE DRYING, CRACKING, REDNESS, ITCHING, AND/OR SWELLING  
(DERMATITIS).

Explanation of Carcinogenicity: NO KNOWN CARCINOGENICITY. NO ANIMAL SKIN  
CARCINOGENICITY TESTS OF THESE MATERIALS  
HAVE BEEN CONDUCTED.

NEITHER IARC, NTP, ACGIH, NOR OSHA HAVE CLASSIFIED THESE MATERIALS  
AS TO THEIR CARCINOGENIC RISK.

Effects of Overexposure: INHALATION-HIGH CONCENTRATIONS OF VAPOR OR MIST  
MAY IRRITATE THE RESPIRATORY TRACT (NOSE, THROAT, AND LUNGS).  
EYES-BRIEF, DIRECT CONTACT WITH PRODUCT MAY CAUSE IRRITATION.  
SKIN-BRIEF, DIRECT CONTACT WITH PRODUCT MAY CAUSE IRRITATION. A  
SINGLE, PROLONGED EXPOSURE IS NOT LIKELY TO CAUSE THE PRODUCT TO BE  
ABSORBED THROUGH THE SK

IN IN HARMFUL AMOUNTS. INGESTION-MAY CAUSE  
THROAT IRRITATION, NAUSEA, VOMITING AND DIARRHEA. BREATHING  
PRODUCT INTO LUNGS DURING INGESTION OR VOMITING MAY CAUSE LUNG  
INJURY AND POSSIBLE DEATH.

Medical Cond Aggravated by Exposure: INDIVIDUALS WITH PRE-EXISTING,  
RESPIRATORY TRACT (NOSE, THROAT AND LUNGS), EYE, AND/OR SKIN  
DISORDERS MAY HAVE INCREASED SUSCEPTIBILITY TO THE EFFECTS OF  
EXPOSURE.

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

First Aid: I

NHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR.  
IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.  
EYE-IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER, FOR 15 MIN. IF  
IRRITATION/RE DNESS DEVELOPS, MOVE AWAY FROM EXPOSURE. GET MEDICAL  
ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHING/SHOES. WASH SKIN  
THOROUGHLY WITH SOAP & WATER. GET MEDICAL ATTENTION. IF PRODUCT IS  
INJECTED UNDER PRE SSURE INTO/ UNDER THE SKIN, A PHYSICIAN SHOULD  
IMMEDIATELY EVALUATE THE  
INDIVIDUAL. INGESTION-IMMEDIATELY GET  
MEDICAL ATTENTION. DO NOT INDUCE VOMITING. IF SPONTANEOUSLY OCCURS,  
KEEP HEAD BELOW HIPS T O AVOID BREATHING PRODUCT INTO LUNGS.

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

Flash Point Method:COC  
Flash Point:=200.C, 392.F  
Autoignition Temp:=398.9C, 750.F  
Lower Limits:1 VOL%  
Upper Limits:10 VOL %  
Extinguishing Media:CARBON DIOXIDE, REGULAR FOAM, DRY CHEMICAL, WATER  
SPRAY, OR WATER FOG  
Fire Fighting Procedures:KEEP STORA  
GE CONTAINERS COOL WITH WATER SPRAY.  
POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS AND STRUCTURAL  
FIREFIGHTERS' PROTECTIVE CLOTHING MAY PROVIDE LIMITED PROTECTION.  
Unusual Fire/Explosion Hazard:HEATED CONTAINERS MAY RUPTURE. "EMPTY"  
CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS. NOT SENSITIVE  
TO MECHANICAL IMPACT OR STATIC DISCHARGE.

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

Spill Release Procedures:REMOVE ALL IGNITION SOURCES. DO NOT TOUCH  
OR  
WALK THROUGH SPILLED PRODUCT. STOP LEAK IF YOU CAN. WEAR PROTECTIVE  
EQUIPMENT. ISOLATE HAZARD AREA. KEEP UNNECESSARY/UNPROTECTIVE  
PERSONNEL AWAY. VENTILATE AREA & AVOID VAPOR/MIST. CONTAIN FROM  
SURFACE WATERS/SEWERS. CONTAIN AS A LIQUID FOR POSSIBLE RECOVERY OR  
SORB WITH COMPATIBLE MATERIAL & SHOVEL WITH A CLEAN TOOL INTO A  
SEALABLE DISPOSAL CONTAINER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE AND DURING TRANSPORT. STORE CONTAINER IN A COOL, DRY PLACE. DO NOT PRESSURIZED, CUT, WELD, BRAZE, SOLDER, DRILL OR GRIND. KEEP CONTAINERS AWAY FROM HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION.

Other Precautions:EMPTY PRODUCT CONTAINERS MAY RETAIN PRODUCT RESIDUE AND CAN BE DANGEROUS. HANDLING\_USE CLEAN TOOLS. THIS PRODUCT HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHA LATION

HAZARD UNDER NORM AL TEMPERATURES AND PRESSURES. HOWEVER, WHEN AEROSOLIZING OR MISTING THIS PRODUCT, DO NOT BREATHE VA POR OR MIST.

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRATORY EQUIPMENT WHEN CONCENTRATION OF VAPOR/MIST EXCEEDS APPLICABLE EXPOSURE LIMIT.DO NOT USE N-RATED RESPIRATORS. SCBA AND FULL PROTECTIVE EQUIPMENT REQUIRED FOR FIRE EMERGENC IES. EQUIPMENT SHOULD BE IN ACCORDANCE

WITH OSHA 29 CFR 1910.134; CANADA WITH CSA STD Z94.

Ventilation:PROVIDE VENT NEEDED TO MAINTAIN CONCENTRATION OF VAPOR/MIST BELOW APPLICABLE EXPOSURE LIMIT. IF ADEQUATE VENT UNAVAILABLE--SEE BELOW

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:WEAR SAFETY GLASSES, CONTACT LENS USE NOT RECOMMENDED.

Other Protective Equipment:WEAR CHEMICAL-RESISTANT APRON,BOOTS,OTHER PROTECTIVE CLOTHING TO AVOID PROLONGED/REPEATED CONTACT.EMERGENCY EYEWASH IN IMMEDIATE AREA. CLEAN WATER SHOULD BE AVAILABLE FOR FLUSHING EYES AND SKIN.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

USE PROCESS ENCLOSURES,LOCAL EXHAUST VENTILATION,OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

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

HCC:N1

Boiling Pt:=215.6C, 420.F

Melt/Freeze Pt:=-8.9C, 16.F

M.P/F.P Text:POUR POINT

Vapor Pres:10 AIR=1

Spec Gravity:~0.88 H2O=1

Evaporati

on Rate & Reference:0.001 ETHYLETHER=1  
Solubility in Water:INSOLUBLE  
Appearance and Odor:LIQUID, AMBER, PETROLEUM ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
AVOID OXIDIZING AGENTS  
Stability Condition to Avoid:AVOID HEAT, SPARKS, FLAME  
Hazardous Decomposition Products:NONE UNDER NORMAL TEMPERATURES AND PRESSURES. SEE HAZARD COMBUSTION PRODUCTS SECTION.

===== Toxicological Information =====

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Toxicological Information:SENSITIZATION: NO KNOWN HUMAN SENSITIZATION.  
REPRODUCTIVE TOXICITY: NO KNOWN REPRODUCTIVE TOXICITY.  
TERATOGENICITY: NO KNOWN TERATOGENICITY. MUTAGENICITY: NO KNOWN  
MUTAGENICITY. TOXICOLOGICALLY SYNERGISTIC PRODUCTS: NO KNOWN  
TOXICOLOGICALLY SYNERGISTIC PRODUCTS ASSOCIATED WITH THIS PRODUCT.  
CARCINOGENICITY: NO ANIMAL SKIN CARCINOGENICITY TESTS OF THESE  
MATERIALS HAVE BEEN CONDUCTED. NEITHER IARC, NTP, ACGIH NOR OSHA  
HAVE CLASSIFIED THESE MATERIALS AS TO THEIR CARCINOGENIC RISK.

===== Ecological Information =====

Ecological:ECOTOXICITY: NOT AVAILABLE. OCTANOL/WATER PARTITION  
COEFFICIENT: NOT AVAILABLE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE,  
PROVINCIAL AND LOCAL REGULATIONS. REGULATIONS MAY ALSO APPLY TO  
EMPTY CONTAINERS. THE RESPONSIBILITY FOR PROPER DISPOSAL LIES WITH  
THE OWNER  
OF THE WASTE. CONTACT SAFETY-KLEEN REGARDING RECYCLING  
OR PROPER DISPOSAL.

===== MSDS Transport Information =====

Transport Information:DOT: NOT REGULATED. TDG: THIS PRODUCT IS NOT FOR  
USE OR SALE IN CANADA.

===== Regulatory Information =====

SARA Title III Information:SECTION(S) 311/312: NOT AVAILABLE. SECTION  
313: NONE FOUND.  
Federal Regulatory Information:ALL COMPONENTS OF THIS PRODUCT ARE  
LISTED ON OR ARE E

XEMPTED FROM THE REQUIREMENT TO BE LISTED ON,  
THE TSCA INVENTORY.

State Regulatory Information: THIS PRODUCT CONTAINS ACETALDEHYDE, CAS 75-07-0; ARSENIC, CAS 71-43-2; 1,3-BUTADIENE, CAS 106-99-0; CADMIUM, CAS 7440-43-9; AND LEAD, CAS 7439-92-1 FROM ADDITIVES. THIS PRODUCT MAY HAVE DETECTABLE AMOUNTS OF BENZO(A)ANTHRACENE, CAS 56-55-3; BENZO(K)FLUORANTHRENE, CAS 207-08-9; BENZO(A)PYRENE, CAS 50-32-8; BENZO(B)FLUORANTHRENE, CAS 205-99-2; CHRYSENE, CAS 218-01-9; DIBENZ(A, H)ANTHRACENE, CAS 53-70-3; AND INDENO(1,2,3-CD)PYRENE, CAS 193-39-5. THESE MATERIALS ARE LISTED BY THE STATE OF CALIFORNIA AS KNOWN CARCINOGENS. MANUFACTURER'S TESTING INDICATES THEY ARE NOT ALWAYS DETECTABLE.

===== Other Information =====

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