

SAFETY KLEEN CORP -- AMERICA'S CHOICE MOTOR OIL, 15W-40 REREFINED -- 9150-01-438-6084  
===== Product Identification =====

Product ID:AMERICA'S CHOICE MOTOR OIL, 15W-40 REREFINED  
MSDS Date:05/13/1998  
FSC:9150  
NIIN:01-438-6084  
Status Code:A  
MSDS Number: CKBZY  
=== Responsible Party ===  
Company Name:SAFETY KLEEN CORP  
Address:ONE BRINCKMAN WAY  
City:ELGIN  
State:IL  
ZIP:60123-7857  
Country:US  
Info Phone Nu  
m:800-265-2792 / 800-669-5740  
Emergency Phone Num:800-752-7869(USA) 800-468-1760(TRAN  
Resp. Party Other MSDS Num.:EMER PH CANADA:312-906-6194/613-996-6666  
Preparer's Name:PRODUCT MSDS COORDINATOR  
CAGE:0CWB2

=== Contractor Identification ===  
Company Name:SAFETY-KLEEN CORP  
Address:ONE BRINCKMAN WAY  
Box:City:ELGIN  
State:IL  
ZIP:60123-7857  
Country:US  
Phone:800-669-5740  
CAGE:0CWB2

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

Ingred Name:LUBRICATING OILS (PETROLEUM), HYDROTREA  
TED SPENT  
CAS:64742-58-1  
Minumum % Wt:40.  
Maxumum % Wt:95.  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3 OIL MIST  
ACGIH STEL:10 MG/M3

Ingred Name:RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED  
CAS:64742-62-7  
Minumum % Wt:0.  
Maxumum % Wt:50.  
OSHA PEL:5 MG/M3 OIL MIST  
ACGIH TLV:5 MG/M3 OIL MIST  
ACGIH STEL:10 MG/M3 OIL MIST

Ingred Name:RESIDUAL OILS (PETROLEUM), HYDROTREATED  
CAS:64742-57-0  
Minumum % Wt:0.  
Maxumum % Wt:50.  
OSHA PEL:5 MG/M3 OIL MIST  
ACGIH TLV:5 MG/M3 OIL MIST

IL MIST

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

CAS:72623-83-7

Minumum % Wt:0.

Maxumum % Wt:50.

OSHA PEL:5MG/M3 OIL MIST

ACGIH TLV:5 MG/M3 OIL MIST

ACGIH STEL:10 MG/M3 OIL MIST

Ingred Name:MINERAL OIL

Minumum % Wt:0.

Maxumum % Wt:33.

OSHA PEL:5 MG/M3 OIL MIST

ACGIH TLV:5 MG/M3 OIL MIST

ACGIH STEL:10 MG/M3 OIL MIST

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

CAS:72623-86-0

Minumum % Wt:0.

Maxumum % Wt:

25.

OSHA PEL:5 MG/M3 OIL MIST

ACGIH TLV:5 MG/M3 OIL MIST

ACGIH STEL:10 MG/M3 OIL MIST

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

CAS:72623-85-9

Minumum % Wt:0.

Maxumum % Wt:25.

OSHA PEL:5 MG/M3 OIL MIST

ACGIH TLV:5 MG/M3 OIL MIST

ACGIH STEL:10 MG/M3 OIL MIST

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

CAS:72623-87-1

Minumum % Wt:0.

Maxumum % Wt:25.

OSHA PEL:5 MG/M3 OIL MIST

ACGIH TLV:

5 MG/M3 OIL MIST  
ACGIH STEL:10 MG/M3 OIL MIST

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:EYES: CONTACT MAY CAUSE IRRITATION.

SKIN: CONTACT MAY CAUSE IRRITATION. SINGLE PROLONGED EXPOSURE NOT

LIKELY TO BE ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS. INHALATION:  
HIGH CONCENTRATIONS OF VAPOR OR MIST MAY IRRITATE RESPIRATORY  
TRACT (NOSE, THROAT, AND LUNGS). INGESTION: MAY CAUSE THROAT  
IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. BREATHING PRODUCT INTO  
LUNGS DURING INGESTION OR VOMITING MAY CAUSE LUNG INJURY AND  
POSSIBLE DEATH. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT MAY  
CAUSE DRYING, CRACKING. PROLONGED OR REPEATED INHALATION OF OIL  
MIST MAY CAUSE OIL PNEUM

ONIA, LUNG TISSUE INFLAMMATION, AND/OR  
FIBROUS TISSUE FORMATION.

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:EYES: IRRITATION. SKIN: IRRITATION.

INHALATION(BREATHING): RESPIRATORY TRACT (NOSE,THROAT, AND LUNGS).

INGESTION (SWALLOWING): THROAT IRRITATION, NAUSEA,

VOMITING, AND  
DIARRHEA.

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

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

First Aid:EYES: IMMEDIATE FLUSH WITH PLENTY OF WATER, HOLDING EYELIDS  
APART, FOR 15 MINUTES. IF IRRITAT/ REDNESS DEVELOPS, MOVE TO FRESH  
AIR. GET MEDICAL ATTENTION, IF IRRITATION OR PAIN PERSISTS

. SKIN:

REMOVE CONTAMINATE CLOTH/SHOES. WASH SKIN WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION OR PAIN PERSISTS. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. INGESTION: GET MEDICAL ATTENTION. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO AVOID BREATHING PRODUCT INTO LUNGS.

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Fire Fighting Measures  
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Flash Point Method:CO

C

Flash Point:=195.C, 383.F

(MINIMUM)

Autoignition Temp:=398.9C, 750.F

Autoignition Temp Text:APPROX

Lower Limits:1%

Upper Limits:10%

Extinguishing Media:CARBON DIOXIDE, REGULAR FOAM, DRY CHEMICAL, WATER SPRAY, OR WATER FOG. PRODUCT MAY BURN, BUT DOES NOT IGNITE READILY.

Fire Fighting Procedures:KEEP STORAGE CONTAINERS COOL WITH WATER SPRAY. POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS (SCBA) 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. DECOMPOSITION AND COMBUSTION MATERIALS MAY BE TOXIC. BURNING MAY PRODUCE ALDEHYDES, HYDROGEN SULFIDE, ALKYL MERCAPTANS, SULFUR OXIDES, CALCIUM OXIDES, AND CARBON MONOXIDE.

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Accidental Release Measures  
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Spill Release Procedures:REMOVE IGNITION SOURCES. DO NOT CONTACT

PRODUCT. STOP LEAK IF YOU CAN. WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA. AVOID BREATHING VAPOR OR MIST. KEEP FROM SURFACE WATERS AND SEWERS. CONTAIN LIQUID FOR RECOVERY OR SORB WITH COMPATIBLE SORBENT MATERIAL. SHOVEL WITH CLEAN TOOL INTO SEALABLE CONTAINER FOR DISPOSAL. LARGE SPILLS: ISOLATE AREA. DIKE FAR AHEAD OF SPILL FOR COLLECTION, LATER DISPOSAL.

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Handling and Storage  
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Handling and Storage Precautions:KEEP

P AWAY FROM HEAT, SPARKS, FLAME.

USE CLEAN TOOLS. DO NOT BREATHE VAPOR OR MIST. USE IN WELL-VENTILATED AREA. AVOID CONTACT WITH EYES, SKIN, CLOTHING, SHOES. KEEP CONTAINERS CLOSED WHEN NOT IN USE AND DURING TRANSPORT. STORE IN COOL, DRY PLACE. DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL, GRIND.

Other Precautions: KEEP CONTAINERS AWAY FROM HEAT, FLAME, SPARKS, OTHER SOURCES OF IGNITION. EMPTY CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS. USE GOOD PERSONAL HYGIENE.

WASH WITH SOAP AND WATER

AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTIVE EQUIPMENT WHEN CONCENTRATION OF VAPOR OR MIST EXCEEDS EXPOSURE LIMITS. SELF-CONTAINED BREATHING APPARATUS FULL PROTECTIVE EQUIPMENT REQUIRED FOR FIRE EMERGENCIES. SELECT AND USE RESPIRATORY EQUIPMENT IN ACCO

RDANCE WITH OSHA GENERAL INDUSTRY

STANDARD 29 CFR 1910.134; OR IN CANADA WITH CSA STANDARD Z94-M1982.

Ventilation: USE GENERAL VENTILATION TO MAINTAIN CONCENTRATION OF VAPOR OR MIST BELOW EXPOSURE LIMITS. IF NOT ADQUATE, USE PROCESS ENCLOSURES, LOCAL EXHAUST, OR OTHER.

Protective Gloves: WEAR NEOPRENE, NITRILE, OR EQUIVALENT. NATURAL RUBBER GLOVES NOT RECOMMENDED.

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

Other Protective Equipment: WHERE SPILLS A

ND SPLASHES ARE LIKELY, WEAR

APPROPRIATE CHEMICAL-RESISTANT APRON OR OTHER PROTECTIVE CLOTHING. CLEAN WATER SHOULD BE AVAILABLE IN WORK AREAS FOR FLUSHING THE EYES AND SKIN.

Work Hygienic Practices: USE GOOD PERSONAL HYGIENE. WASH WITH SOAP AND WATER AFTER HANDLING, AND BEFORE EATING, DRINKING OR USING TOBACCO PRODUCTS. CLEAN CONTAMINATED CLOTHING, SHOES AND PROTECTIVE EQUIPMENT BEFORE REUSE.

Supplemental Safety and Health

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

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HCC:V6  
Boiling Pt:=215.6C, 420.F  
B.P. Text:(MINIMUM).  
Melt/Freeze Pt:M.P/F.P Text:POUR POINT 0F(-18C)(MAX).  
Vapor Pres:10(AIR=1)  
Volatile Org Content %:100  
Spec Gravity:0.88(WATER=1)(APPROX)  
Evaporation Rate & Reference:0.001 (ETHYL ETHER=1)  
Solubility in Water:INSOLUBLE.  
Appearance and Odor:LIQUID AMBER, PETROLEUM ODOR.

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
AVOID OXIDIZING AGENTS AND/OR REACTIVE  
HALOGENS.  
Stability Condition to Avoid:STABLE UNDER NORMAL TEMPERATURES AND  
PRESSURES. AVOID HEAT, SPARKS, OR FLAME.  
Hazardous Decomposition Products:DECOMPOSITION & COMBUSTION MATERIALS  
MAY BE TOXIC. BURNING MAY PRODUCE ALDEHYDES, HYDROGEN SULFIDE,  
ALKYL MERCAPTANS, SULFUR OXIDES, CALCIUM OXIDES, AND CARBON  
MONOXIDE.  
Conditions to Avoid Polymerization:POLYMERIZATION IS NOT KNOWN TO OCCUR  
UNDER NORMAL TEMPERATURES AND PRESSURES. NOT REACTIVE WITH WATER.

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Toxicological Information =====

Toxicological Information:THERE IS NO KNOWN HUMAN SENSITIZATION  
ASSOCIATED WITH THIS PRODUCT. NO ANIMAL SKIN CARCINOGENICITY TESTS  
OF THIS MATERIAL HAS BEEN CONDUCTED. NEITHER IARC, NTP, ACGIH, NOR  
OSHA HAVE CLASSIFIED THESE MATERIALS AS TO THEIR CARCINOGENIC  
RISK. BASED ON BEST CURRENT INFORMATION THERE IS NO KNOWN  
SENSITIZATION, REPRODUCTIVE TOXICITY, TERATOGENICITY, MUTAGENICITY,  
TOXICOLOGICALLY SYNERGISTIC PRODUCTS ASSOCIATED WITH THIS  
PRODUCT. ECOTOXICITY: NOT AVAILABLE. OCTANOL/ WATER PARTITION  
COEFFICIENT: NOT AVAILABLE. PRODUCT IS PHOTOCHEMICALLY REACTIVE AS  
PER 40 CFR PART 51.100(S).

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Disposal Considerations =====

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

GARDING RECYCLING OR PROPER  
DISPOSAL.PROCESSING, USE, OR CONTAMINATION MAY MAKE THIS INFOR  
MATION INAPPROPRIATE, INACCURATE,OR INCOMPLETE.

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

Transport Information:DOT : NOT REGULATED. TDG: NOT REGULATED.

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

SARA Title III Information:SECTION 311 AND 312: THIS PRODUCT POSES THE  
FOLLOWING HEALTH HAZARDS AS DEFINED IN 40 CFR PART 370 AND IS  
SUBJEC

T TO THE REQUIREMENTS OF SECTIONS 311 AND 312 OF TITLE III  
:IMMEDIATE (ACUTE) HEALTH HAZARD. DELAYED (CHRONIC) HEALTH HAZARD.  
SARA SECTION 313: INGREDIENT PHOSPHORODITRIIC ACID,  
O-O-DI-C1-14-ALKYL ESTERS,ZINC SALTS IS SUBJECT TO THE REQUIREMENTS  
OF SECTION 313 OF TITLE III AND 40 CFR PA RT 372 UNDER THE ZINC  
COMPOUNDS CATEGORY.

Federal Regulatory Information:ALL TH E COMPONENTS OF THIS PRODUCT ARE  
LISTED ON OR EXEMPTED FROM THE REQUIREMENT TO BE LISTED ON THE TSCA  
I  
NVENTORY.

State Regulatory Information:THIS PRODUCT CONTAINS ARSENIC, CAS#  
7440-38-2; BENZENE, CAS# 71-43-2; CADMIUM, CAS# 7440-43-9; AND  
LEAD,CAS# 7439-92-1 FROM ADDITIVES. THIS PRODUCT MAY CONTAIN  
DETECTABLEAMOUNTS OF BENZO(A) ANTH;RACEN E, CAS# 56-55-3;  
BENZO(K)FLUORANTHENE, CAS#207-08-9; BENZO(A)PYRENE, CAS# 50-32-8 ;  
BENZO(B)FLUORANTHENE, 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 CACINOGENS. MANUFACTURERS TESTING OF THIS  
PRODUCT INDICATES THAT THESE MATERIALS ARE NOT DETECTABLE.

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

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