

SAFETY-KLEEN CORP -- SAFETY-KLEEN MOTOR OIL, PREFIX 21

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MSDS Safety Information
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FSC: 9150
NIIN: 01-460-7526
MSDS Date: 01/08/1998
MSDS Num: CKHLL
Product ID: SAFETY-KLEEN MOTOR OIL, PREFIX 21
MFN: 02
Responsible Party
Cage: 30530
Name: SAFETY-KLEEN CORP
Address: 1 BRINCKMAN WAY
City: ELGIN IL 60123
-7857
Info Phone Number: 800-669-5740/800-265-2792
Emergency Phone Number: 800-752-7869 EXT- 2
Resp. Party Other MSDS No.: 82556
Preparer's Name: PRODUCT MSDS COORDINATOR
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 30530
Name: SAFETY-KLEEN CORP
Address: 1301 GERVAIS ST, SUITE 300
City: COLUMBIA SC 29201
Phone: 1-803-933-4200

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Item Description Information
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Item Manager: S9G
Item Name: LUBRICATING OIL,ENGINE
Type/Grade/Class: 30 GRADE
Unit of Issue: QT
UI Container Qty: 1
Type of Container: BOTTLES/BX

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Ingredients
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Name: *** PROPRIETARY ***

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Health

Hazards Data

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Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: INHALATION: HIGH CONCENTRATIONS OF VAPOR OR MIST MAY IRRITATE RESPIRATORY TRACT (NOSE, THROAT, LUNGS). EYE CONTACT: IRRITATION. SKIN CONTACT: IRRITATION. SINGLE, PROLONGED EXPOSURE NOT LIKELY TO CAUSE SKIN ABSORPTION 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. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING, CRACKING, REDNESS, ITCHING AND/OR SWELLING. PROLONGED OR REPEATED INHALATION OF OIL MIST MAY CAUSE OIL PNEUMONIA, LUNG TISSUE INFLAMMATION, FIBROUS TISSUE FORMATION.

Explanation Of Carcinogenicity: NO KNOWN CARCINOGENICITY. NEITHER IARC, NTP, ACGIH, NOR OSHA HAVE CLASSIFIED THESE MATERIALS AS TO THEIR CARCINOGENIC RISK. NO ANIMAL SKIN CARCINOGENICITY TESTS OF THESE MATERIALS HAVE BEEN CONDUCTED.

Signs And Symptoms Of Overexposure: INHALATION: IRRITATION OF NOSE, THROAT, AND LUNGS, OIL PNEUMONIA, LUNG TISSUE INFLAMMATION, FIBROUS TISSUE FORMATION. BREATHING PRODUCT INTO LUNGS: LUNG INJURY, POSSIBLE DEATH. EYES: IRRITATION. SKIN: IRRITATION, DRYING, CRACKING, REDNESS, ITCHING, SWELLING. INGESTION: THROAT IRRITATION, NAUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated By Exposure: INDIVIDUALS WITH PRE-EXISTING RESPIRATORY TRACT (NOSE, THROAT,

AND LUNGS) AND/OR SKIN DISORDERS MAY HAVE INCREASED SUSCEPTIBILITY TO THE EFFECTS OF EXPOSURE.

First Aid: INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION. EYES: FLUSH WITH PLENTY OF WATER, HOLDING EYELIDS APART, FOR 15 MINUTES. IF IRRITATION FROM VAPORS DEVELOP, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH EXPOSED SKIN

IN AREA WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION OR PAIN PERSISTS. INGESTION: GET MEDICAL ATTENTION. DO NOT INDUCE VOMITING. IF SPONTANEOUS VOMITING OCCURS, KEEP HEAD BELOW HIPS TO AVOID BREATHING PRODUCT INTO LUNGS.

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Handling and Disposal

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Spill Release Procedures: ISOLATE AREA. REMOVE IGNITION SOURCES. STOP LEAK. WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA. AVOID

BREATHING VAPORS. DIKE FAR

AHEAD OF LIQUID SPILL TO PREVENT FROM ENTERING SURFACE WATERS AND SEWERS AND FOR POSSIBLE RECOVERY OR ABSORPTION WITH COMPATIBLE SORBENT MATERIAL. SHOVEL ABSORBED MATERIAL WITH A CLEAN TOOL INTO A SEALABLE CONTAINER FOR DISPOSAL.

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

CONTACT SAFETY-KLEEN REGARDING RECYCLING OR PROPER DISPOSAL.

Handling And Storage Precautions: KEEP AWAY FROM HEAT, SPARKS, FLAME, OTHER SOURCES OF IGNITION. USE CLEAN TOOLS. DO NOT BREATHE VAPOR OR MIST. USE IN A WELL-VENTILATED AREA. AVOID CONTACT WITH EYES, SKIN, CLOTHING, AND SHOES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE AND DURING TRANSPORT. STORE CONTAINER IN A COOL, DRY PLACE.

Other Precautions: DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, OR GRIND. EMPTY PRODUCT

CONTAINERS MAY RETAIN PRODUCT RESIDUE AND CAN BE DANGEROUS.

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Fire and Explosion Hazard Information

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Flash Point Method: COC

Flash Point: =195.C, 383.F

Flash Point Text: 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.

Fire Fighting Pr

cedures: KEEP STORAGE CONTAINERS COOL WITH WATER SPRAY.

POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS (SCBA) AND STRUCTURAL FIREFIGHTERS' PROTECTIVE CLOTHING MAY PROVIDE LIMITED PROTECTION. PRODUCT MAY BURN, BUT DOES NOT IGNITE READILY.

Unusual Fire/Explosion Hazard: HEATED CONTAINERS MAY RUPTURE."EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS. PRODUCT NOT SENSITIVE TO MECHANICAL IMPACT OR STATIC DISCHARGE. EMERGENCY RESPONSE GUIDE NUMBER: 171 REFERENCE NORTH AM

ERICAN EMERGENCY RESPONSE GUIDEBOOK.

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Control Measures

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Respiratory Protection: USE NIOSH/MSHA-APPROVED RESPIRATORY EQUIPMENT WHEN VAPOR CONCENTRATION EXCEEDS EXPOSURE LIMITS. SCBA AND FULL PROTECTIVE EQUIPMENT ARE REQUIRED FOR FIRE EMERGENCIES. SELECTION AND USE OF RESPIRATORY PROTECTIVE EQUIPMENT SHOULD BE IN ACCORDANCE IN THE USA AND OSHA GENERAL INDUSTRY STANDARD 29 CFR 191

0.134; OR IN CANADA WITH CSA STANDARD Z94.4-M
1982.

Ventilation: USE PROCESS ENCLOSURES, LOCAL EXHAUST, OR GENERAL VENTILATION AS NEEDED TO MAINTAIN EXPOSURE BELOW APPLICABLE EXPOSURE LIMITS.

Protective Gloves: WEAR NEOPRENE, NITRILE, EQUIVALENT PROTECTIVE GLOVES IF SKIN CONTACT IS LIKELY.

Eye Protection: WEAR SAFETY GLASSES WHERE EYE CONTACT IS LIKELY. CONTACT LENS NOT RECOMMENDED.

Other Protective Equipment: WHERE SPILLS AND 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: WHERE EYE CONTACT IS LIKELY, CONTACT LENS USE IS NOT RECOMMENDED. WHERE SKIN CONTACT IS LIKELY, USE OF NATURAL RUBBER OR

EQUIVALENT GLOVES IS NOT RECOMMENDED. NOTE TO PHYSICIAN: NO SPECIFIC ANTIDOTE AVAILABLE. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. CALL MEDICAL EMERGENCY TELEPHONE NUMBER FOR ADDITIONAL INFORMATION.

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Physical/Chemical Properties
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HCC: V6

Boiling Point: =215.6C, 420.F

B.P. Text: MINIMUM

M.P/F.P Text: POUR POINT=0F

Vapor Pres: <0.1 MMHG AT 68F(20C)

Vapor Density: >10(AIR=1)

Spec G

Gravity: 0.88(WATER=1)(APPROX)

VOC Pounds/Gallon: 7.3

Evaporation Rate & Reference: 0.001(ETHYL ETHER=1)

Solubility in Water: INSOLUBLE

Appearance and Odor: LIQUID, AMBER, PETROLEUM ODOR.

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: STABLE UNDER NORMAL TEMPERATURES AND PRESSURES. AVOID HEAT, SPARKS, OR FLAME.

Materials To Avoid: AVOID OXIDIZING AGENTS AN

D/OR REACTIVE HALOGENS.

Hazardous Decomposition Products: NONE UNDER NORMAL TEMP. AND PRESS..

DECOMPOSITION AND COMBUSTION MATERIAL MAY BE TOXIC. BURNING MAY PRODUCE ALDEHYDES, HYDROGEN SULFIDE, ALKYL MERCAPTANS, SULFUR OXIDES, CALCIUM OXIDES, CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

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

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Toxicological Information: BASED ON BEST CURRENT INFORMATION, THERE IS NO KNOWN HUMAN SENSITIZATION, NO KNOWN REPRODUCTIVE TOXICITY, NO KNOWN TERATOGENICITY, NO KNOWN TOXICOLOGICALLY SYNERGISTIC PRODUCTS ASSOCIATED WITH THIS PRODUCT. EXPERIMENTAL EVIDENCE SUGGESTS THAT THIS PRODUCT DOES NOT CAUSE MUTAGENESIS. NO ANIMAL SKIN CARCINOGENICITY TESTS OF THESE MATERIALS HAVE BEEN CONDUCTED.

NEITHER IARC, N

TP, ACGIH, NOR OSHA HAVE CLASSIFIED THESE MATERIALS AS TO THEIR CARCINOGENIC RISK.

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Ecological Information

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Ecological: VOLATILE ORGANIC COMPOUNDS: 100 WT %; 7.3 LB/GAL (APPROXIMATELY). PHOTOCHEMICALLY REACTIVE AS PER 40 CFR PART 51.100(S).

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MSDS Transport Information

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nsport Information: DOT: NOT REGULATED. TDG: NOT REGULATED.

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Regulatory Information

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Sara Title III Information: SARA SECTIONS 311 AND 312: THIS PRODUCT POSES THE FOLLOWING HEALTH HAZARDS AS DEFINED IN 40 CFR PART 370 AND IS SUBJECT TO THE REQUIREMENTS OF SECTIONS 311 AND 312 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986: IMMEDIATE(ACUTE) HEALTH HAZAR

D,

DELAYED (CHRONIC) HEALTH HAZARD. SARA SECTION 313: INGREDIENT PHOSPHORODITHIOIC ACID O-O-DI-C1-14- ALKYL ESTERS,ZINC SALTS IS SUBJECT TO THE REQUIREMENTS OF SARA SECTION 313 AND 40 CFR PART 372 UNDER THE ZINC COMPOUNDS CATEGORY.

Federal Regulatory Information: TSCA: ALL THE COMPONENTS OF THIS PRODUCT ARE LISTED ON, OR ARE EXEMPTED FROM THE REQUIREMENT TO BE LISTED ON , THE TSCA INVENTORY.

State Regulatory Information: CALIFORNIA: PRODUCT CONTAINS ARSENIC, CAS# 7440-38-2; BENZEN

E, CAS# 7143-2; CADMIUM, CAS# 7440-43-9; LEAD, CAS# 7439-92-1 FROM ADDITIVES. PRODUCT MAY CONTAIN DETECTABLE AMOUNTS OF BENZO(A)ANTHRACENE, CAS# 56-55-3; BENZO(K)FLUORANTHENE, CAS# 207-08-9; 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 STATE OF CA AS KNOWN CARCINOGENS. MFR'S. TESTING OF PRODUCT INDICATES THESE MATERIALS ARE NOT ALWAYS DETECTABLE.

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Other Information
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Other Information: CALIFORNIA: THIS PRODUCT CONTAINS A DETECTABLE AMOUNT OF LEAD, CAS# 7439-92-1, FROM ADDITIVES. THIS MATERIAL IS LISTED BY STATE OF CALIFORNIA AS KNOWN TO CAUSE REPRODUCTIVE TOXICITY. CANADIAN REGULATIONS: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF

THE CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR. W: NOT REGULATED. CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): ALL THE COMPONENTS OF THIS PRODUCT ARE LISTED ON, OR ARE EXEMPT FROM THE REQUIREMENT TO BE LISTED ON , THE CANADIAN DOMESTIC SUBSTANCES LIST(DSL).

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Transportation Information
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Responsible Party Cage: 30530
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ID NO: 152432
Product ID: SAFETY-KLEEN MOTOR OIL, PREFIX 21
MSDS Prepared Date: 01/08/1998
Review Date: 04/15/2000
MFN: 2
Net Unit Weight: 1.84 LB
Multiple KIT Number: 0
Unit Of Issue: QT
Container QTY: 1
Type Of Container: BOTTLES/BX
Additional Data: TRANSPORTATION DATA PER MANUFACTURERS MSDS.

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS M

ODE OF TRANSPORTATION

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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: SAFETY-KLEEN MOTOR OIL, PREFIX 21
Cage: 30530
Company Name: SAFETY-KLEEN CORP
Street: 1301 GERVAIS ST, SUITE 300
City: COLUMBIA SC
Zipcode: 29201
Health Emergency Phone: 800-752-7869 EXT- 2
Label Required IND: Y
Date Of Label Review: 04/15/2000
Status Code: A
Label Date: 04/15/2000
Origination Code: F
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: INHALATION: HIGH CONCENTRATIONS OF VAPOR OR MIST MAY IRRITATE RESPIRATORY TRACT. EYE CONTACT: IRRITATION. SKIN CONTACT: IRRITATION. SINGLE

, PROLONGED EXPOSURE NOT LIKELY TO CAUSE SKIN ABSORPTION IN HARMFUL AMOUNTS. INGESTION: MAY CAUSE THROAT IRRITATION, NAUSEA, VOMITING, 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, ITCHING AND/OR SWELLING. PROLONGED OR REPEATED INHALATION OF OIL MIST MAY CAUSE OIL PNEUMONIA, LUNG TISSUE INFLAMMATION, FIBROUS TISSUE FORMATION.

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