

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 6012  
3-7857  
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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## h 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

D 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 Procedures: 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 AMERICAN  
AMERICAN 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 19

10.134; 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  
A VAILABLE. 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: &lt;0.1 MMHG AT 68F(20C)

Vapor Density: &gt;10(AIR=1)

Spec

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 A

ND/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, NTP, 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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ansport 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 HAZARD,

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; BENZE

NE, 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 P

RODUCT INDICATES THESE MATERIALS ARE NOT ALWAYS DETECTABLE.

Other Information

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).

Transportation Information

Responsible Party Cage: 30530

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s 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.

Detail DOT Information

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS

MODE OF TRANSPORTATION

Detail IMO Information

IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

Detail IATA Information

IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail AFI Information

AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

HAZCOM Label

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 Emergen  
cy 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. SINGL

E, 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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