

SAFETY-KLEEN CORP -- PREFIX 22, MIL-PRF-2104G, AMERICA'S CHOICE DI

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MSDS Safety Information
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FSC: 9150

NIIN: 01-433-7986

MSDS Date: 04/29/1999

MSDS Num: CKWHL

Product ID: PREFIX 22, MIL-PRF-2104G, AMERICA'S CHOICE DIESEL MOTOR OIL

MFN: 01

Responsible Party

Cage: 30530

Name: SAFETY-KLEEN CORP

Address: 1301 GERV

AIS ST, SUITE 300

City: COLUMBIA SC 29201

Info Phone Number: 803-933-4200/800-265-2792

Emergency Phone Number: 80075207869(M);8004681760(T

Resp. Party Other MSDS No.: 82506
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Item Description Information
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Item Manager: S9G

Item Name: LUBRICATING OIL, ENGINE

Specification Number: MIL-PRF-2104

Type/Grade/Class: 30 GRADE RE-REFINED

Unit of Issue: CN

Quantitative Expression: 00000000005GL

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Container Qty: 5.000 GALLONS

Type of Container: CAN
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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NOT PROVIDED

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: INHALATION: HIGH CONCENTRATION

S 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 SKIN IN HARMFUL AMOUNTS. INGESTION: MAY CAUSE THROAT IRRITATION, NAUSEA, VOMITING AND DIARRHEA. BREATHING PRODUCT INTO THE LUNGS DURING INGESTION OR VOMITING MAY CAUSE LUNG INJURY AND PO

SSIBLE DEATH. CHRONIC: MAY CAUSE OIL PNEUMONIA, LUNG TISSUE AND EYELIDS INFLAMMATION, DRYING, CRACKING, ITCHING (DERMATITIS).

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

Signs And Symptoms 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 CON

TACT WITH PRODUCT MAY CAUSE IRRITATION. INGESTION: MAY CAUSE THROAT IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

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

First Aid: INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IF BREATHING DIFFICULTY

PERSISTS. EYES: IMMEDIATELY FLUSH WITH WATER, HOLDING EYELIDS APART, FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITAITON/PAIN PERSISTS. SKIN: WASH THOROUGHLY WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION/PAIN PERSISTS. IF I NJECTED UNDER SKIN, SEE A PHYSICIAN IMMEDIATELY. INGESTION: GET MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF L IQUID INTO THE LUNGS.

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Handling and Disposal

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Spill Release Procedures: REMOVE SOURCES OF IGNITION. DO NOT TOUCH SPILL. STOP LEAK IF YOU CAN SO IT WITHOUT RISK. WEAR PROTECTIVE EQUIPMENT. ISOLATE HAZARD AREA. KEEP UNPROTECTED PERSONNEL FROM ENTERING. VENTILATE AREA. AVOID BREATHING VAPOR/MIST. CONTAIN AWAY FROM SURFACE WATERS AND SEWERS. CONTAIN FOR RECOVERY/SORB WITH COMPATIBLE SORBENT MATERIAL AND SHOVEL WITH A CLEAN TOOL IN

TO A SEALABLE CONTAINER FOR DISPOSAL.

Neutralizing Agent: NOT RELEVANT

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: STORE IN A COOL, DRY PLACE. KEEP AWAY FROM HEAT, SPARKS, OR FLAME. USE CLEAN TOOLS. THIS PRODUCT HAS

AS A LOW VAPOR

PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD UNDER NORMAL TEMPERATURES AND PRESSURES. HOWEVER, WHEN MISTING, DO NOT BREATHE VAPOR OR MIST. USE IN WELL VENTILATED AREA.

Other Precautions: AVOID CONTACT WITH EYES, SKIN, CLOTHING AND SHOES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, OR GRIND. KEEP CONTAINERS AWAY FROM HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. EMPTY PRODUCT CONTAINERS MAY RETAIN

RESIDUE

AND CAN BE DANGEROUS.

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Fire and Explosion Hazard Information
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Flash Point Method: COC

Flash Point: =200.C, 392.F

Autoignition Temp: =398.9C, 750.F

Lower Limits: 1%

Upper Limits: 10%

Extinguishing Media: CARBON DIOXIDE, REGULAR FOAM, DRY CHEMICAL, WATER SPRAY, 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.

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. PRODUCT MAY BURN, BUT DOES NOT IGNITE READILY.

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Control Measures
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Respiratory Pr

Protection: USE NIOSH APPROVED RESPIRATORY PROTECTION WHEN CONCENTRATION OF VAPOR/MIST EXCEEDS APPLICABLE EXPOSURE LIMITS. A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT ARE REQUIRED FOR FIRE EMERGENCIES. SELECTION AND USE OF RESPIRATORY EQUIPMENT SHOULD BE IN ACCORDANCE WITH OSHA GENERAL INDUSTRY STANDARD 29 CFR 1910.

Ventilation: WHERE ADEQUATE GENERAL VENTILATION IS UNAVAILABLE, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS.

Protective Gloves: CHEMICAL RESISTANT GLOVES

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

Other Protective Equipment: WHERE SPILLS AND SPLASHES ARE LIKELY, WEAR CHEMICAL RESISTANT APRON, BOOTS, OR OTHER PROTECTIVE CLOTHING TO AVOID PROLONGED CONTACT. EMERGENCY EYEWASH IN IMMEDIATE WORK AREA AND CLEAN WATER

Work Hygienic Practices: USE GOOD PERSONAL HYGIENE. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, OR USING TOBACCO PRODUCTS. CLEAN

CONTAMINATED CLOTHING, SHOES, AND PROTECTIVE EQUIPMENT.

Supplemental Safety and Health: DISCARD LEATHER ARTICLES SATURATED WITH THE PRODUCT. ABBREVIATION: N/A=NOT APPLICABLE OR NOT AVAILABLE. N/K=UNKNOWN. N/P=NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT ESTABLISHED. CNS=CENTRAL NERVOUS SYSTEM. GI=GASTROINTESTINAL.

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Physical/Chemical Properties
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HCC: V6

NRC/State LIC

No: NOT RELEVANT

Boiling Point: =215.6C, 420.F

Melt/Freeze Pt: =-8.7C, 16.F

M.P/F.P Text: POUR POINT

Decomp Text: NOT PROVIDED

Vapor Pres: <0.1MMHG @ 68F

Vapor Density: >10

Spec Gravity: 0.88

VOC Pounds/Gallon: 7.3

VOC Grams/Liter: 880

Viscosity: NOT PROVIDED

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

Solubility in Water: INSOLUBLE

Appearance and Odor: LIQUID, AMBER; PETROLEUM ODOR

Percent Volatiles by Volume: NOT PROVIDED

Corrosion Rate: NOT PROVIDED
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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: HEAT, SPARKS, FLAME.

Materials To Avoid: OXIDIZING AGENTS.

Hazardous Decomposition Products: NONE UNDER NORMAL TEMPERATURES AND PRESSURES.
HYDROGEN SULFIDE, ALKYL MERCAPTANS, SULFIDES, ALDEHYDES, CALCIUM OXIDES,
SULFUR OXIDES, NITROGEN OXIDES, CARBON MONOXIDE, AND UNIDENTIFIED ORGANIC
COMPOUND

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE
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Toxicological Information
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Toxicological Information: BASED ON BEST CURRENT INFORMATION, THERE IS NO KNOWN
HUMAN SENSITIZATION ASSOCIATED WITH THIS PRODUCT. BASED ON BEST CURRENT
INFORMATION, THERE IS NO KNOWN REPRODUCTIVE TOXICITY ASSOCIATED WITH THIS P
RODUCT. BASED ON BEST CURRENT INFORMATION, THERE IS NO KNOWN TERATOGENICITY
ASSOCIA

TED WITH THIS PRODUCT. BASED ON BEST CURRENT INFORMATION, THERE IS NO
KNOWN TOXICOLOGICALLY SYNERGISTIC PRODUCTS ASSO CIATED WITH THIS PRODUCT.
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Ecological Information
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Ecological: NOT AVAILABLE
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MSDS Transport Information
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Transport Information: NOT REGULATED
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Regulatory Information
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Sara Title III Information: CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS
OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION
ACT (SARA) OF 1986 AND 40 CFR PART 372: CAS # 68649-42-3 (ZINC SALTS)

Federal Regulatory Information: ALL COMPONENTS OF THIS PRODUCT ARE INCLUDED ON
OR EXEMPTED FROM LISTING ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INV

ENTORY.

State Regulatory Information: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S)
KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/ OR REPRODUCTIVE HARM:
CAS 75-07-0, CAS 7440-38-2, CAS 71-43-2, CAS 106-99-0, CAS 7440-43-9, AND 74
39-92-1 FROM ADDITIVES.

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Other Information
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Other Information: NOTE TO PHYSICIAN: NO SPECIFIC ANTIDOTE AVAILABLE. TREAT
SYMPTOMTICALLY AND SUP
PORTIVELY. CALL EMERGENCY TELEPHONE NUMBER FOR
ADDITIONAL INFORMATION.

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Transportation Information
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Responsible Party Cage: 30530
Trans ID NO: 155455
Product ID: PREFIX 22, MIL-PRF-2104G, AMERICA'S CHOICE DIESEL MOTOR OIL
MSDS Prepared Date: 04/29/1999
Review Date: 11/30/2000
MFN: 1
Net Unit Weight: 36.7 LBS
Multiple KIT Number: 0
Unit Of Issue: CN
Container QTY: 5.000 GALLONS
Type Of
Container: CAN
Additional Data: NOT REGULATED FOR TRANSPORTATION, PER MSDS.

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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE 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: PREFIX 22, MIL-PRF-2104G, AMERICA'S CHOICE DIESEL MOTOR OIL

Cage: 30530

Company Name: SAFETY-KLEEN CORP

Street: 1301 GERVAIS ST, SUITE 300

City: COLUMBIA SC

Zipcode: 29201

Health Emergency Phone: 80075207869(M);8004681760(T)

Label Required IND: Y

Date Of Label Review: 11/30/2000

Status Code: A

MFG Label NO: QUAL MC-3784

Label Date: 04/29/1999

Year Procured: 2001

Origination

Chro

nic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: NOT PROVIDED. CAUTION: USED OIL CONTAINS

COMBUSTION BY-PRODUCTS WHICH MAY BE HARMFUL. AVOID PROLONGED OR REPEATED
SKIN

CONTACT. WASH EXPOSED AREAS WITH SOAP AND WATER.
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