

SAFETY-KLEEN CORP -- AMERICA'S CHOICE DIESEL MOTOR OIL INCLUDES GRADES 10W-30;15W  
-- 9150-01-438-6070

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

Product ID:AMERICA'S CHOICE DIESEL MOTOR OIL INCLUDES GRADES 10W-30;15W

MSDS Date:05/13/1998

FSC:9150

NIIN:01-438-6070

Status Code:A

MSDS Number: CKQFC

=== Responsible Party ===

Company Name:SAFETY-KLEEN CORP

Address:ONE BRINCKMAN WAY

City:ELGIN

State:IL

ZIP:6012

3-7857

Country:US

Info Phone Num:800-669-5740

Emergency Phone Num:800-752-7869

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, HYDROTREATED SPENT

CAS:64742-58-1

Minumum % Wt:30.

Maxumum % Wt:95.

OSHA PEL:5C

OSHA S

TEL:N.AV.  
ACGIH TLV:5  
ACGIH STEL:10 CD

Ingred Name:RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED  
CAS:64742-62-7  
Minumum % Wt:0.  
Maxumum % Wt:50.  
OSHA PEL:5C  
OSHA STEL:N.AV.  
ACGIH TLV:5C  
ACGIH STEL:10 CD

Ingred Name:RESIDUAL OILS (PETROLEUM), HYDROTREATED  
CAS:64742-57-0  
Minumum % Wt:0.  
Maxumum % Wt:50.  
OSHA PEL:5C  
OSHA STEL:N.AV.  
ACGIH TLV:5C  
ACGIH STEL:10CD

Ingred Name:LUBRICATING OILS (PETROLEUM), C>25, HYDROTREATED BRIGHT  
STOCK-BASED  
CAS:72623-83-7  
Minumum % Wt:0.  
Maxumum % Wt:50.  
OSHA PEL  
:5C  
OSHA STEL:N.AV.  
ACGIH TLV:5C  
ACGIH STEL:10CD

Ingred Name:MINERAL OIL  
Minumum % Wt:0.  
Maxumum % Wt:50.  
OSHA PEL:5C  
OSHA STEL:N.AV.  
ACGIH TLV:10CD  
ACGIH STEL:N.AV.

Ingred Name:ALKARYL AMINE  
Minumum % Wt:0.  
Maxumum % Wt:2.  
OSHA PEL:N.AV.  
OSHA STEL:N.AV.  
ACGIH TLV:N.AV.  
ACGIH STEL:N.AV.

Ingred Name:BENZENAMINE, N-PHENYL-, REACTION PRODUCTS WITH  
2,4,4-TRIMETHYLPENTENE  
CAS:68411-46-1  
Minumum % Wt:0.  
Maxumum % Wt:1.5  
OSHA PEL:N.AV.  
OSHA STEL:N.AV.  
ACGIH TLV:N.AV.  
ACGIH STEL:N.AV.

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

CAS:68649-42-3

Minumum % Wt:0.

Maxumum % Wt:1.5

OSHA PEL:N.AV.

OSHA STEL:N.AV.

ACGIH TLV:N.AV.

ACGIH STEL:N.AV.

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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:CAUSES RESPIRATORY TRACT (NOSE,  
THROAT, AND LUNGS), EYE, AND SKIN IRRITATION. PROLONGED OR  
REPEAT

ED 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, AND/OR FIBROUS  
TISSUE FORMATION.

Explanation of Carcinogenicity:NO KNOWN CARCINOGENICITY. IARC  
CLASSIFIES CHEMICALS BY THEIR CARCINOGENIC RISK, INCLUDING AGENTS  
THAT ARE KNOWN, PROBABLE, OR POSSIBLE CARCINOGENS. NTP CLASSIFIES  
CHEMICALS AS EITHER KNOWN CARCINOGENS, OR FOR WHICH THERE IS  
LIMIT

ED EVIDENCE OF CARCINOGENICITY IN EXPERIMENTAL ANIMALS. ACGIH  
RECOGNIZES SEVERAL CATEGORIES OF CARCINOGENS.

Effects of Overexposure:INHALATION: HIGH CONCENTRATIONS OF VAPOR OR  
MIST MAY IRRITATE THE RESPIRATORY TRACT (NOSE, THROAT, AND LUNGS).  
EYES: DIRECT CONTACT WITH PRODUCT MAY CAUSE IRRITATION. SKIN:  
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 POSSIBLE DEATH.

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.

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

First Aid:INHALATION:REMOVE TO FRESH

AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SOMEONE SHOULD STAY WITH VICTIM. EYES:FOR DIRECT CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER, HOLDING EYELIDS APART, FOR 15 MINUTES. IF IRRITATION OR REDNESS FROM EXPOSURE TO VAPOR DEVELOPS, MOVE AWAY FROM EXPOSURE INTO FRESH AIR. SKIN:REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN THOROUGHLY WITH SOAP AND WATER. INGESTION:DO NOT INDUCE VOMITING. IF

SPONTANEOUS VOMITING OCCURS, KEEP HEAD BELOW HIPS TO AVOID BREATHING THE PRODUCT INTO THE LUNGS. IN ALL CA SES, GET MEDICAL ATTENTION.

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

Flash Point Method:COC  
Flash Point:=200.C, 392.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.  
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.

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

Spill Release Procedures:REMOVE ALL IGNITION SOURCES.  
DO NOT TOUCH OR WALK THROUGH SPILLED PRODUCT. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. WEAR PROTECTIVE EQUIPMENT SPECIFIED. VENTILATE AREA AND AVOID BREATHING VAPOR OR MIST. CONTAIN AWAY FROM SURFACE WATERS AND SEWERS. CONTAIN AS A LIQUID FOR POSSIBLE RECOVERY OR ABSORB WITH COMPATIBLE SORBENT MATERIAL AND SHOVEL WITH A CLEAN TOOL INTO A SEALABLE CONTAINER.

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

Handling and Storage Precautions:KEEP

AWAY FROM HEAT, SPARKS, OR FLAME.

USE CLEAN TOOLS. DO NOT BREATHE VAPOR OR MIST. USE IN A WELLVENTILATED AREA. AVOID CONTACT WITH EYES, SKIN, CLOTHING, AND SHOES. KEEP CONTAINER TIGHTLY CLOS ED WHEN NOT IN USE AND DURING TRANSPORT. STORE CONTAINER IN A COOL, DRY PLACE. DO NOT PRESSURIZE.

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

Respiratory Protection:USE NIOSH/MSHA-APPROVED RESPIRATORY PROTECTIVE EQUIPMENT WHEN CONCENTRATION OF VAPOR OR MIST EXCEEDS APPLICABLE

EXPOSURE LIMITS. A SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL PROTECTIVE EQUIPM ENT ARE REQUIRED FOR FIRE EMERGENCIES. SELECTION AND USE OF RESPIRATORY PROTECTIVE EQUIPMENT SHOULD BE IN ACCORDANCE IN THE USA WITH OSHA.

Protective Gloves:NEOPRENE,NITRILE,OR EQUIVALENT PROTECTIVE GLOVES;RUBBER GLOVES NOT RECOMMENDED

Eye Protection:SAFETY GLASSES;CONTACT LENS USE 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 HYGIENE. WASH THOROUGHLY 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

LDB:LUBRICATING OILS:>15000;RESIDUAL OILS:>10000;RESIDUAL OILS(PETR

OLEUM):N.AV.;LUBRICATING OILS:>5000;MINERAL

OIL:N.AV.;ALKARYL AMINE:N.AV.;BENZENAMINE:7580;PHOSPHORODITHLOIC ACID:N.AV. SEE 29 CFR 1 910.1000(D)(2) AND ACGIH THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS BIOLOGICAL EXPOSURES BOOKLET

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

Boiling Pt:=215.6C, 420.F

Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE

Vapor Pres:10

Spec Gravity:0.88

VOC Pounds/Gallon:880

VOC Grams/Liter:7.3

Evaporation Rate

& Reference:0.001(ETHYL ETHER=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:STABLE UNDER NORMAL TEMPERATURES AND PRESSURES. AVOID HEAT, SPARKS, OR FLAME.

Hazardous Decomposition Products:NONE UNDER NORMAL TEMPERATURES AND PRESSURES.

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

Toxicological Information:BASED ON BEST CURRENT INFORMATION, THERE IS NO KNOWN TERATOGENICITY ASSOCIATED WITH THIS PRODUCT. BASED ON BEST CURRENT INFORMATION, THERE IS NO KNOWN REPRODUCTIVE TOXICITY ASSOCIATED WITH THIS PRODUCT. EXPERIMENTAL EVIDENCE SUGGESTS THAT THIS PRODUCT DOES NOT CAUSE MUTAGENESIS. BASED ON BEST CURRENT INFORMATION, THERE ARE NO KNOWN TOXICOLOGICALLY SYNERGISTIC PRODUCTS ASSOCIATED WITH THIS PRODUCT.

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

Ecological:ECOTOXICITY: NOT AVAILABLE OCTANOL/WATER: NOT AVAILABLE PHOTOCHEMICALLY REACTIVE AS PER 40 CFR PART 51.100(S).

===== 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 WASTE 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: NOT REGULATED

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

SARA Title III Information:SARA SECTIONS 311 AND 312: THIS PRODUCT POSE THE FOLLOWING HEALTH HAZARDS AS DEFINED IN 40 CFR PART 370 AND IS SUBJECT TO THE REQUIREMENTS OF SECTIONS 311 AND 312 OF THE TITLE III OF THE SUPERFUND AMENDMENT

NTS AND REAUTHORIZATION ACT OF 1986.

SARA SECTION 313: CAS# 68649-42-3

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.

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