

SAFETY-KLEEN CORP -- HYDRAULIC OIL AW-LT

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MSDS Safety Information
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FSC: 9150
NIIN: 00-966-8835
MSDS Date: 04/22/1993
MSDS Num: CJSMR
Product ID: HYDRAULIC OIL AW-LT
MFN: 01
Responsible Party
Cage: 30530
Name: SAFETY-KLEEN CORP
Address: 1 BRINCKMAN WAY
City: ELGIN IL 60123-7857
Info Ph
one Number: 800-669-5740/800-265-2792
Emergency Phone Number: 800-942-5969/800-468-1760
Resp. Party Other MSDS No.: 82551

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Item Description Information
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Item Manager: S9G
Item Name: HYDRAULIC FLUID,PETROLEUM BASE
Specification Number: MIL-H-46001
Type/Grade/Class: GRADE 3
Unit of Issue: DR
Quantitative Expression: 00000000055GL
UI Container Qty: 1
Type of Container: DRUM

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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Skin: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: INHALATION: HIGH CONCENTRATIONS OF VAPOR OR MIST MAY IRRITATE THE RESPIRATORY TRACT. EYES: CONTACT WITH PRODUCT MAY C

AUSE

IRRITATION. SKIN: CONTACT WITH PRODUCT IS NOT EXPECTED TO 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. BREATHING PRODUCT INTO THE LUNGS DURING IN GESTION OR VOMITING MAY CAUSE LUNG INJURY & POSSIBLE DEATH. CHRONIC- PROLONGED OR REPEATED INHALATION OF OIL MIST MAY CAUSE OIL PNEUMONIA, LUNG TISSUE INFLAMMATION, & FIBROUS TISSUE FORMATION. M

AY C AUSE CENTRAL NERVOUS SYSTEM EFFECTS.

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

Signs And Symptions Of Overexposure: INGESTION: MAY CAUSE NAUSEA, VOMITING, & DIARRHEA. CHRONIC- PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING, CRACKING, REDNESS, ITCHING, AND/OR SWELLING. PROLONGED OR REPEATED EXPOSURE MAY CAUSE LACK OF COORDINATION & TREMORS.

Medical Cond Aggravated By Exposure: INDIV IDUALS 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: 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 WI TH PLENTY OF WATER, HOLDING EYELIDS APART, FOR 15 MIN. IF IRRITATION FROM EXPOSURE TO VAPOR DEVELOPS, MOVE AWAY FROM EXPOSU

RE INTO FRESH AIR. SKIN: REMOVE CONTAMINATED

CLOTHING & SHOES. WASH SKIN THO ROUGHLY WITH SOAP & WATER. GET MEDICAL ATTENTION IF IRRITATION OR PAIN PERSISTS FOR ALL ROUTES OF EXPOSURE.

INGESTION: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMTING. KEEP HEAD BELOW HIPS IF VOMITING OCCURS.

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Handling and Disposal

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Spill Release Procedures: REMOVE IGNITION SOURCES. DO

N'T TOUCH OR WALK THROUGH

SPILLED PRODUCT. STOP LEAK IF WITHOUT RISK. WEAR PROTECTIVE EQUIPMENT SPECIFIED IN CONTROL MEASURES. VENTILATE AREA & AVOID BREATHING VAPOR OR MIS T. CONTAIN AWAY FROM SURFACE WATER & SEWERS. CONTAIN AS A LIQUID FOR POSSIBLE RECOVERY OR ABSORB WITH COMPATIBLE SORBENT MATERIAL & SHOVEL WITH A CLEAN TOOL INTO A SEALABLE CONTAINER FOR DISPOSAL.

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, & LOCAL REGULATIONS. R

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. THESE PRODUCTS, IF DISCARDED, ARE NOT EXPECTED TO BE A CHARACTERISTIC WASTE.

Handling And Storage Precautions: KEEP AWAY FROM HEAT, SPARKS, OR FLAME. USE IN A WELL VENTILATED AREA. AVOID CONTACT WITH EYES, SKIN, CLOTHING, & SHOES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE & DURING TRANSPORT.

STORE CONTAINER IN A COOL, DRY PLACE. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, OR GRIND.

Other Precautions: DO NOT BREATHE VAPOR OR MIST. EMPTY PRODUCT CONTAINERS MAY RETAIN PRODUCT RESIDUE & CAN BE DANGEROUS.

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Fire and Explosion Hazard Information
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Flash Point Method: COC

Flash Point: =180.C, 356.F

Autoignition Temp: =398.9C, 750.F

Lower Limits: 1

Upper L

imits: 10

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

Fire Fighting Procedures: KEEP STORAGE CONTAINERS COOL WITH WATER SPRAY. POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS (SCBA) & 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. EMER

GENCY RESPONSE GUIDE NUMBER: 171

REFERENCE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK.

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Control Measures
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Respiratory Protection: NIOSH/MSHA-APPROVED RESPIRATORY PROTECTIVE EQUIPMENT WHEN CONCENTRATION OF VAPOR/MIST EXCEEDS APPLICABLE EXPOSURE LIMITS.

SELECTION & USE OF RESPIRATORY PROTECTIVE EQUIPMENT SHOULD BE IN ACCORDANCE IN THE USA WITH OSHA GENERAL INDUSTRY STANDAR

D 29 CFR 1910.134;

IN CANADA WITH CSA STANDARD Z94.4-M1982.

Ventilation: USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves: NEOPRENE, NITRILE, OR EQUIVALENT PROTECTIVE GLOVES

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

Other Protective Equipment: SKIN CONTACT IS LIKELY, WEAR NEOPRENE, NITRILE, OR EQUIVALENT PROTECTIVE GLOVES; USE OF NATURAL RUBBER OR EQUIV

ALENT GLOVES IS

NOT RECOMMENDED. CHEMICAL-RESISTANT APRON OR OTHER PROTECTIVE CLOTHING.

Work Hygienic Practices: USE GOOD PERSONAL HYGIENE PRACTICES. WASH THOROUGHLY WITH SOAP & WATER AFTER HANDLING, & BEFORE EATING, DRINKING & USE OF TOBACCO.

Supplemental Safety and Health: CLEAN CONTAMINATED CLOTHING, SHOES, & PROTECTIVE EQUIPMENT BEFORE REUSE. CLEAN WATER SHOULD BE AVAILABLE IN WORK AREAS FOR FLUSHING THE EYES AND SKIN.

Physical/Chemical Properties

HCC: V6

Boiling Point: =215.6C, 420.F

B.P. Text: 420F (220C) MINIMUM

M.P/F.P Text: N/A POUR PT 21F(-6C) MAX

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

Vapor Density: >10(AIR=1)

Volatile Org Content %: 100

Spec Gravity: 0.88 (WATER=1)

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

Solubility in Water: INSOLUBLE

Appearance and Odor: LIQUID, AMBER, PETROLEUM ODOR.

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: HEAT, SPARKS OR FLAME

Materials To Avoid: OXIDIZING AGENTS

Hazardous Decomposition Products: NONE UNDER NORMALTEMPERTURES AND PRESSURES.

DECOMPOSTIION & COMBUSTION MATERIALS MAY BE TOXIC. BURNING MAY PRODUCE CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: POLYMERIZATION IS NOT KNOWN TO OCCUR UNDER NORMAL TEMPERA

TURES AND PRESSURES. NOT REACTIVE WITH WATER.

Toxicological Information

Toxicological Information: BASED ON BEST CURRENT INFORMATION, THERE IS NO KNOWN REPRODUCTIVE TOXICITY ASSOCIATED WITH THESE PRODUCTS NOR IS THERE ANY KNOWN TERATOGENICITY ASSOCIATED WITH THIS PRODUCT. EXPERIMENTAL EVIDENCE SUGGESTS THAT THESE PRODUCTS DO NOT CAUSE MUTAGENESIS. BASED ON BEST CURRENT INFOR

MATION, THERE ARE NO KNOWN TOXICOLOGICALLY SYNERGISTIC PRODUCTS ASSOCIATED WITH THESE PRODUCTS.

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Ecological Information
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Ecological: PHOTOCHEMICALLY REACTIVE AS PER 40 CFR PART 51.100(S).

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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: THESE PRODUCTS POSE THE FOLLOWING HEALTH HAZARD AS DEFINED IN 40 CFR PART 370 & ARE SUBJECT TO THE REQUIREMENTS OF SECTIONS 311 & 312 OF TITLE III OF THE SUPERFUND AMENDMENTS & REAUTHORIZATION ACT OF 1986: DELAYED (CHRONIC) HEALTH HAZARD. THESE PRODUCTS DO NOT CONTAIN TOXIC CHEMICALS SUBJECT TO THE REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS & REAUTHORIZATION ACT OF 1986 & 40 CFR PART 372.

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

State Regulatory Information: THESE PRODUCTS CONTAIN ARSENIC, BENZENE, CADMIUM, ETHYL ACRYLATE, LEAD, & PROPYLENE OXIDE FROM ADDITIVES. THESE PRODUCTS MAY CONTAIN DETECTABLE AMOUNTS OF BENZO(A)ANTHRACENE, BENZO(K)FLUORANTHENE, CHR YSEN

E, DIBENZ(A,H)ANTHRACENE, & INDENO(1,2,3-CD)PYRENE. THESE MATERIALS ARE LISTED BY THE STATE OF CALIFORNIA AS KNOWN CARCINOGENS. OUR TESTING OF THESE PRODUCTS INDICATES THAT THESE MATERIALS ARE NOT ALWAYS DETECTABLE. THESE PRODUCTS MAY CONTAIN A DETECTABLE AMOUNT OF TOLUENE FROM ADDITIVES. THIS M ATERIAL IS LISTED BY THE STATE OF CALIFORNIA AS KNOWN TO CAUSE REPRODUCTIVE TOXICITY.

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Other Information
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Other Information: U.S. EPA WASTE CODE(S): IF RECYCLED IN THE USA, THEY MUST BE MANAGED IN ACCORDANCE WITH 40 CFR PART 279. PROCESSING, USE, OR CONTAMINATION MAY MAKE THIS INFORMATION INAPPROPRIATE, INACCURATE, OR INCO Mplete.

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Transportation Information
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Responsible Party Cage: 30530
Trans ID NO: 149889
Product ID: HYDRAULIC OIL AW-LT
MSDS Prepared D

ate: 04/22/1993
Review Date: 11/09/1999
MFN: 1
Multiple KIT Number: 0
Unit Of Issue: DR
Container QTY: 1
Type Of Container: DRUM

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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: HYDRAULIC OIL AW-LT
Cage: 30530
Company Name: SAFETY-KLEEN CORP
Street: 1301 GERVAIS ST, SUITE 300
City: COLUMBIA SC
Zipcode: 29201
Health Emergency Phone: 800-942-5969/800-468-1760
Label Required IND: Y
Date Of Label Review: 11/09/1999
Status Code: A
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Signal Word

: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: N/P. INHALATION: HIGH CONCENTRATIONS OF VAPOR OR MIST MAY IRRITATE THE RESPIRATORY TRACT. EYES: CONTACT WITH PRODUCT MAY CAUSE IRRITATION. SKIN: CONTACT IS NOT EXPECTED TO 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. BREATHING PRODUCT INTO THE LUNGS DURING INGESTION OR VOMITING MAY CAUSE LUNG INJURY & POSSIBLE DEATH. CHRONIC- PROLONGED OR REPEATED INHALATION OF OIL MIST MAY CAUSE OIL PNEUMONIA, LUNG TISSUE INFLAMMATION, & FIBROUS TISSUE FORMATION. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.

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