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SDS

Common Name: HM HYDRAULIC OIL**Manufacturer:** GREAT WALL LUBRICANT OIL CHINA**SDS Revision Date:** 4/20/2007**SDS Format:** No Format Specified**Item Number(s):** 1MZK5, 1MZK7, 1MZK9, 1MZL1, 1MZL2, 1MZL3**Manufacturer Model Number(s):**

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MATERIAL SAFETY DATA SHEET

1MZK5, 1MZK7, 1MZL1, 1MZL2, 1MZL3

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



PRODUCT IDENTIFIER: HM HYDRAULIC OIL

PRODUCT USE: HYDRAULIC JACK OIL

MANUFACTURE'S NAME: GREAT WALL LUBRICANT OIL, SINOPEC.

STREET ADDRESS: HAIDIAN DISTRICT

CITY: BEIJING

POSTAL CODE:

COUNTRY: CHINA

EMERGENCY TELEPHONE: 800-810-9886

SUPPLIER'S NAME: ALL TRADE TOOLS LLC

STREET ADDRESS: 1431 VIA PLATA ST

CITY: LONG BEACH

POSTAL CODE: 90810

STATE: CALIFORNIA

DATE MSDS PREPARED: APRIL 20, 2007

MSDS PREPARED BY: HECTOR HERNANDEZ

PHONE NUMBER: 800-423-3598

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS



HAZARDOUS INGREDIENTS (SPECIFIC)	%	CAS NUMBER
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SECTION 3 - HAZARDS IDENTIFICATION



SIGNS/SYMPTOMS: TRANSIENT EYE IRRITATION, REDNESS, TEARING.

EYE CONTACT:

FLUSH WITH CLEAR WATER FOR AT LEAST 15 MINUTES OR UNTIL ANY IRRITATION SUBSIDES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN CONTACT:

REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. WIPE EXCESS MATERIAL FROM SKIN. WASH EXPOSED AREA WITH SOAP AND WATER.

INHALATION:

IF IRRITATION OR DROWSINESS OCCURS, MOVE THE PERSON TO FRESH AIR. ADMINISTER RESPIRATORY ASSISTANCE IF BREATHING IS DIFFICULT OR STOPS; CONSULT A PHYSICIAN.

INGESTION: IMMEDIATELY SEEK MEDICAL ATTENTION

EXPOSURE LIMITS:

SEE SECTION II, PRODUCT/INGREDIENT INFORMATION. (FOR PRODUCT) - RECOMMEND USING 5 MG/M3 FOR MINERAL OIL MIST AVERAGED OVER AN 8 HOUR DAILY EXPOSURE, BASED ON ESTABLISHED OSHA AND ACGIH LIMITS.

PRIMARY ROUTES OF ENTRY:

EYE CONTACT	(X)
SKIN CONTACT	(X)
SKIN ABSORPTION	()
INHALATION (ACUTE)	()
INHALATION (CHRONIC)	()
INGESTION	()

EFFECTS OF EXPOSURE:

ACUTE - (EVALUATION BASED ON COMPONENTS AND/OR SIMILAR PRODUCTS):

EYES: NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT EYE IRRITATION.

SKIN: NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT SKIN IRRITATION.

RESPIRATORY SYSTEM:

HARMFUL CONCENTRATIONS OF MISTS/VAPORS ARE UNLIKELY THROUGH CUSTOMARY HANDLING OR USE OF THIS PRODUCT.

INGESTION:

LOW ORDER OF TOXICITY, BUT MAY CAUSE GASTROINTESTINAL DISTURBANCES, DIARRHEA. INGESTION OF LARGE AMOUNTS MAY CAUSE HEADACHE, DROWSINESS, NAUSEA, VOMITING OR DIARRHEA.

SECTION 4 - FIRST AID MEASURES



PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN DRYING, CRACKING, AND IRRITATION.

WARNING!

AVOID SKIN CONTACT WITH USED HYDRAULIC JACK OILS. USED HYDRAULIC JACK OILS HAVE CAUSED SKIN CANCER IN LABORATORY ANIMALS WHEN REPEATEDLY APPLIED AND LEFT IN PLACE BETWEEN APPLICATIONS.

THE PRODUCT CONTAINS PETROLEUM BASE OILS, WHICH MAY BE REFINED BY VARIOUS PROCESSES INCLUDING SEVERE SOLVENT EXTRACTION, SEVERE HYDRO CRACKING, OR SEVERE HYDRO TREATING. NONE OF THE OILS REQUIRE A CANCER WARNING UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200). THESE OILS HAVE NOT BEEN LISTED IN THE NATIONAL TOXICOLOGY PROGRAM (NTP) ANNUAL REPORT NOR HAVE THEY BEEN CLASSIFIED BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS CARCINOGENIC TO HUMANS (GROUP 1), PROBABLY CARCINOGENIC TO HUMANS (GROUP 2A) OR POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B).

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
PRE-EXISTING SKIN DISORDERS.

SECTION 5 - FIRE FIGHTING MEASURES**FLAMMABILITY:**

YES (X)

NO ()

NFPA CLASS IIIB MATERIAL - COMBUSTIBLE LIQUID

FLASH POINT (COC): 356 DEG. F (180 DEG. C) MIN.

FIRE POINT (COC): ND

AUTO IGNITION TEMPERATURE: ND

FLAMMABILITY LIMITS IN AIR, % VOL.:

UPPER: ND

LOWER: ND

EXTINGUISHING MEDIA:

CO2, DRY CHEMICAL AND WATER FOG. DO NOT USE WATER JETS.

SPECIAL FIREFIGHTING PROCEDURES/UNUSUAL AND EXPLOSION HAZARDS:

MATERIAL MUST BE PREHEATED TO BURN. DO NOT ENTER CONFINED AREAS WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NA

SENSITIVITY TO STATIC DISCHARGE: NA

SECTION 6 - ACCIDENTAL RELEASE MEASURES**SMALL SPILLS:**

CLOSE SOURCE OF LEAKING OIL. SOAK UP SPILL WITH AN INERT ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIALS; STORE IN A CLOSED CONTAINER AND DISPOSE OF PROPERLY. REGULATORY SPILL REPORTING REQUIREMENTS MAY APPLY; CONTACT GOVERNMENTAL AGENCY OR LEGAL COUNSEL FOR ADVICE.

WASTE DISPOSAL METHOD:

IF DISCARDED AS SUPPLIED, MATERIAL DOES NOT MEET RCRA CHARACTERISTIC DEFINITION OF IGNITABILITY, CORROSIVELY OR REACTIVITY AND IS NOT LISTED IN 40 CFR 261.33. THE TOXICITY CHARACTERISTIC HAS NOT BEEN EVALUATED. UNDER RCRA, THE APPLICABLE HAZARDOUS WASTE CLASSIFICATION MUST BE EVALUATED PRIOR TO DISPOSAL OF THE MATERIAL. USE OF THE PRODUCT, PROCESSING OR CONTAMINATION MAY RENDER THE RESULTING MATERIAL HAZARDOUS. ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED AND DISPOSED OF OR

RECLAIMED IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS REGARDING AIR POLLUTION, WATER POLLUTION OR HEALTH. DON'T POLLUTE - CONSERVE RESOURCES. DISPOSE OF USED OIL PROPERLY.

CAUTION:

IMPROPER DISPOSAL OR REUSE OF THE EMPTY CONTAINER MAY BE HAZARDOUS AND ILLEGAL. CUTTING OR WELDING OF EMPTY CONTAINERS MAY CAUSE FIRE, EXPLOSION OR TOXIC FUMES FROM RESIDUES. DO NOT PRESSURIZE OR EXPOSE TO OPEN FLAME OR HEAT. KEEP CONTAINER CLOSED AND DRUM BUNGS IN PLACE. REFER TO APPLICABLE GOVERNMENTAL REGULATIONS.

SECTION 7 - HANDLING AND STORAGE



WORK/HYGIENIC PRACTICES:

AVOID PROLONGED AND REPEATED SKIN CONTACT. DO NOT WEAR CONTAMINATED CLOTHING; LAUNDRER BEFORE REUSE OR DISCARD. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. KEEP AWAY FROM EYES.

STORAGE/HANDLING:

KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. AVOID BREATHING.

SECTION 8 - EXPOSURE CONTROL PERSONAL PROTECTION



VENTILATION:

NO SPECIAL VENTILATION IS USUALLY NECESSARY. HOWEVER, IF OPERATING CONDITIONS MAY CREATE HIGH AIRBORNE CONCENTRATIONS OF THIS MATERIAL, SPECIAL OR LOCAL VENTILATION MAY BE NEEDED.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:

NONE REQUIRED UNDER NORMAL USE. IF EXPOSURE IS EXPECTED TO EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORDANCE WITH 29 CFR 1910.134, USE EITHER AN ATMOSPHERE SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICIPATES.

EYE: SAFETY GOGGLES OR GLASSES.

GLOVES (SPECIFY):

WEAR OIL IMPERVIOUS TYPE, SUCH AS NEOPRENE, NITRILE, POLYVINYL CHLORIDE, TO MINIMIZE SKIN CONTACT.

CLOTHING:

NO SPECIAL REQUIREMENT; NORMAL WORK CLOTHING. A COVERALL OR APRON MAY BE USED TO MINIMIZE SKIN CONTACT

FOOTWEAR: NO SPECIAL REQUIREMENT.

OTHER: NA

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES



BOILING POINT: >338 DEG. F (>170 DEG. C)

SPECIFIC GRAVITY (WATER=1): 0.87

VAPOR PRESSURE (MM.Hg. @ 20 DEG. C): <0.01

VAPOR DENSITY (AIR=1): >1

PERCENT VOLATILES: NEGLIGIBLE

EVAPORATION RATE (BuAc=1): <0.1

SOLUBILITY IN WATER: NEGLIGIBLE

FREEZING POINT: -22 DEG. F TO -40 DEG. F (-30 DEG. C TO -40 DEG. C)

pH-VALUE: NA

VISCOSITY RANGE @ 40 DEG. C, CST.: 28.8

ODOR THRESHOLD: ND

COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

APPEARANCE, ODOR & PHYSICAL STATE: CLEAR, AMBER LIQUID; MILD PETROLEUM ODOR

SECTION 10 - STABILITY AND REACTIVITY



STABILITY: STABLE AT AMBIENT TEMPERATURES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS AND MATERIALS TO AVOID (INCOMPATIBILITIES):
HEAT, OPEN FLAME AND OXIDIZING MATERIALS.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
SMOKE, FUMES, OXIDES OF CARBON

SECTION 11 - TOXICOLOGICAL INFORMATION



TOXICOLOGY DATA (PRODUCT):

ACUTE DATA (MEDIAN LETHAL DOSE - SPECIES):

ORAL LD50 - RAT: ND

DERMAL LD50: ND

INHALATION LC50: ND

IRRITANCY DATA:

EYE IRRITATION: ND SKIN

IRRITATION: ND

SENSITIZATION: ND

OTHER:

NO DATA REGARDING PRESENCE OF CARCINOGENICITY, TETRAGENICITY, MUTAGENICITY,
RESPIRATORY TOXICITY, SENSITIZING ABILITY OR SYNERGISTIC SUBSTANCES.

SECTION 12 - ECOLOGICAL INFORMATION



EPCRA (SARA TITLE III):

SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

CERCLA SECTION 102(A) HAZARDOUS SUBSTANCE:

SECTION 311 HAZARD CATEGORY:

() ACUTE (IMMEDIATE)

() CHRONIC (DELAYED)

() FIRE

() SUDDEN RELEASE OF PRESSURE

() REACTIVE

(X) NOT APPLICABLE

SECTION 313 TOXIC RELEASE INVENTORY CHEMICAL/:
ZINC COMPOUNDS, 2.5% (WT.) MAX.

SECTION 13 - DISPOSAL CONSIDERATIONS



WASTE DISPOSAL METHOD:

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SECTION 14 - TRANSPORT INFORMATION



TRANSPORTATION:

SPECIAL SHIPPING INFORMATION/DOT PROPER SHIPPING NAME: NOT REGULATED.

SECTION 15 - REGULATORY INFORMATION



THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND NOT COMBINED WITH OTHER PRODUCT(S). INFORMATION PROVIDED IS BASED ON RESEARCH AND ON DATA FROM SOURCES BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

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SECTION 16 - IMPORTANT INFORMATION



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