

Page: 1

MATERIAL SAFETY DATA SHEET (M S D S) Printed : 10/12/98
 For Oils, Greases and Related Lubricating Materials
 Revised : 07/02/97

SECTION I - PRODUCT IDENTIFICATION

Manufacturer: CITGO PETROLEUM CORPORATION Information Phone: 405-270-6200
 P.O. BOX 26868 Emergency Phone: 800-424-9300
 915 M.L. KING BLVD. CHEMTREC Phone: 800-424-9300
 OKLAHOMA CITY OK 73126

Trade Name : MYSTIK JT-7 MULTI-PURPOSE GEAR LUBRICANT SAE 85W-140
 Product Class: GEAR LUBE

! Hazard Ratings: Health - 1
 ! none -> extreme Fire - 1
 ! 0 ----> 4 Reactivity - 0
 !
 ! HMIS Personal Protection - B

Product Code : 1618B-001
 C.A.S. Number: COMPLEX MIXTURE

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits		VP mm HG
			ACGIH/TLV	OSHA/PEL	
PETROLEUM HYDROCARBON	64742-65-0	5-20	5 mg/M3	5	mg/M30
STEL= 10 10					
THIS PETROLEUM HYDROCARBON MAY ALSO BE CAS# 64741-88-4 OR 64742-01-4.					
PETROLEUM HYDROCARBON	64742-62-7	> 75	5 mg/M3	5	mg/M30
STEL= 10 10					
THIS PETROLEUM HYDROCARBON MAY ALSO BE REPRESENTED BY CAS NUMBERS 64741-88-4 OR 64742-01-4 DEPENDING ON CURRENT SUPPLIER.					
PROPRIETARY ADD:5166	MIXTURE	5-20	400 ppm	400	ppm N/AV
STEL= 500 500					
PROPRIETARY ADDITIVE 5166 CONTAINS 0.1-0.9% ISOPROPNANOL CAS# 67-63-0 WHICH IS RESPONSIBLE FOR THE EXPOSURE LIMITS SHOWN IN SECTION II OF THIS MSDS. PROPRIETARY ADDITIVE 5166 ALSO CONTAINS FROM 40 TO 49.9% OLEFIN SULFIDE AND FROM 1 TO 4.9% SUBSTITUTED THIADIAZOLE AND FROM 0.5 TO 1.5% ALKYL SULFIDE.					
PROPRIETARY ADD:5513	MIXTURE	1-5	5 mg/M3	5	mg/M3N/AV
STEL= 10 10					

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory.

SARA 313 - NOT APPLICABLE UNLESS OTHERWISE INDICATED IN SECTION II BY AN * SHOWN IN THE INGREDIENTS COLUMN AND THE FOOTNOTE AT THE BOTTOM OF SECTION II.

INGREDIENTS ARE PROPRIETARY. POTENTIAL HAZARDS HAVE BEEN EVALUATED AND PERTINENT INFORMATION HAS BEEN INCLUDED IN SECTIONS III-IX. EACH PROPRIETARY MATERIAL IS EITHER: 1. HELD A TRADE SECRET FROM CATO, 2. OSHA-NON-HAZARDOUS OR BELOW 1% IF OSHA HAZARDOUS AND 3. BELOW 0.1% IF POTENTIALLY CARCINOGENIC.

* -> These items are listed on the SARA TITLE III Section 313 inventory

Page: 2

CITGO PETROLEUM CORPORATION
 M S D S for: MYSTIK JT-7 MULTI-PURPOSE GEAR LUBRICANT SAE 85W-140

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 SECTION III - PHYSICAL DATA
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Boiling Range: EST.>600'F Deg. F	Vapor Density: Heavier than Air.
Evap. Rate: Slower than n-Butyl Acetate	Liquid Density: Lighter than Water.
Volatiles volume: N/A %	Wgt per gallon: 7.462 Pounds.
Appearance: RED LIQUID	Spec. Gravity: 0.90
V.O.C.: N/A	

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 SECTION IV - FIRE AND EXPLOSION HAZARD DATA
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Flammability Class: 1 Flash Point: 420'F(218'C)COC LEL: N/AV
 -EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL OR FOAM.
 -SPECIAL FIREFIGHTING PROCEDURES: WATER STREAM MAY SPREAD FIRE, USE WATER SPRAY ONLY TO COOL CONTAINERS NOT ON FIRE.
 -UNUSUAL FIRE & EXPLOSION HAZARDS: WILL FORM FLAMMABLE MIXTURES WITH AIR WHEN HEATED TO ABOUT THE FLASH POINT. WILL NOT FLASH SPONTANEOUSLY. TOXIC FUMES, GASES OR VAPORS MAY EVOLVE ON BURNING. VAPORS MAY BE HEAVIER THAN AIR AND MAY TRAVEL ALONG GROUND TO A DISTANT IGNITION SOURCE AND FLASH BACK WITH THIS PRODUCT BASED ON PROPRIETARY ADDITIVE 5166.

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 SECTION V - HEALTH HAZARD DATA
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PERMISSIBLE EXPOSURE LEVEL:
 TWA = 5 MG/M3; STEL = 10 MG/M3--AS OIL MIST--RESPIRATORY IRRITANT. SEE SECTION II FOR CONCISE INFORMATION CONCERNING INGREDIENTS HAVING A PEL.
 -EFFECTS OF OVEREXPOSURE:
 INHALATION: NOT EXPECTED TO BE ACUTELY TOXIC BY INHALATION. BREATHING PETROLEUM OIL MIST AT CONCENTRATIONS IN AIR THAT EXCEED THE RECOMMENDED EXPOSURE STANDARD CAN CAUSE RESPIRATORY IRRITATION OR DISCOMFORT.
 SKIN: UNDER NORMAL CONDITIONS OF USE NO ADVERSE HEALTH EFFECTS ARE EXPECTED UPON SHORT TERM CONTACT. PROLONGED OR REPEATED CONTACT MAY PRODUCE SKIN IRRITATION AND INFLAMMATION.
 EYES: UNDER NORMAL CONDITIONS OF USE, EXPECTED TO CAUSE NO MORE THAN MINOR, IF ANY, EYE IRRITATION BASED ON DATA FROM COMPONENTS.
 SWALLOWING/INGESTION: MAY CAUSE IRRITATION, NAUSEA OR DIARRHEA. POSSIBLE ASPIRATION HAZARD.
 MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN, BUT MAY AGGRAVATE PREVIOUSLY EXISTING SKIN DISORDERS. LISTED AS A POTENTIAL CARCINOGEN OR CARCINOGEN? NOT LISTED BY IARC, NTP, OR OSHA.
 WHEN A PRODUCT CONTAINS 70% OR MORE PROPRIETARY ADDITIVE 5166, THEN THE PRODUCT MAY CAUSE SKIN IRRITATION AND/OR SKIN SENSITIZATION (ALLERGIC) REACTION.
 (cont.)

Page: 3

CITGO PETROLEUM CORPORATION

M S D S for: MYSTIK JT-7 MULTI-PURPOSE GEAR LUBRICANT SAE 85W-140

===== SECTION V - HEALTH HAZARD DATA (cont.) =====

-EFFECTS OF OVEREXPOSURE: (cont.)

-FIRST AID:

INHALATION: IF RESPIRATORY DISCOMFORT OR IRRITATION OCCURS, MOVE PERSON TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION AND GET MEDICAL ATTENTION IMMEDIATELY.

SKIN: WASH EXPOSED PORTION WITH SOAP AND WATER. LAUNDER SOILED CLOTHES BEFORE REUSE.

EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR A MINIMUM OF 15 MINUTES OCCASIONALLY LIFTING THE LOWER AND UPPER LIDS. IF FILM OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SWALLOWING/INGESTION: DO NOT INDUCE VOMITING; CONTACT A PHYSICIAN.

===== SECTION VI - REACTIVITY DATA =====

STABILITY: [] Unstable [x] Stable

HAZARDOUS POLYMERIZATION: [] May occur [x] Will not occur

-INCOMPATIBILITY

STRONG OXIDIZERS.

-CONDITIONS TO AVOID:

AVOID CONDITIONS THAT COULD GENERATE AN OIL MIST. DO NOT EXPOSE THE PRODUCT TO STRONG OXIDIZERS OR EXCESSIVE HEAT. AVOID PROLONGED OR REPEATED SKIN CONTACT.

-HAZARDOUS DECOMPOSITION PRODUCTS:

INCOMPLETE COMBUSTION CAN YIELD CARBON (SMOKE), CARBON MONOXIDE, VARIOUS HYDROCARBONS AND EVOLVE OTHER TOXIC GASES OR VAPORS.

===== SECTION VII - SPILL OR LEAK PROCEDURES =====

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

NOTIFY EMERGENCY RESPONSE PERSONNEL. EVACUATE AREA AND REMOVE IGNITION SOURCES. BUILD DIKE TO CONTAIN FLOW. REMOVE FREE LIQUID, DO NOT FLUSH TO SEWER OR OPEN WATER. PICK UP RESIDUE WITH INERT-ABSORBANT AND PLACE IN CLOSED CONTAINER FOR DISPOSAL.

-WASTE DISPOSAL METHOD:

EPA HAZARDOUS WASTE? NO, UNLESS OTHERWISE INDICATED. READ FURTHER IN THIS SECTION TO DETERMINE IF OTHER ITEMS NEED TO BE CONSIDERED WHICH MAY EFFECT ALL INFORMATION IN THIS SECTION. EPA HAZARDOUS WASTE CODE NUMBER--NOT APPLICABLE, UNLESS OTHERWISE INDICATED ELSEWHERE IN THIS SECTION. EPA WASTE CHARACTERISTIC OR HAZARD CODE--NOT APPLICABLE, UNLESS OTHERWISE INDICATED ELSEWHERE IN THIS SECTION.

UTILIZE LICENSED WASTE DISPOSAL COMPANY. CONSIDER RECYCLING OR CONTROLLED INCINERATION. UTILIZE PERMITTED INDUSTRIAL WASTE DISPOSAL SITE. FOLLOW ALL LOCAL, STATE AND FEDERAL (cont.)

Page: 4

CITGO PETROLEUM CORPORATION

M S D S for: MYSTIK JT-7 MULTI-PURPOSE GEAR LUBRICANT SAE 85W-140

 SECTION VII - SPILL OR LEAK PROCEDURES (cont.)

-WASTE DISPOSAL METHOD: (cont.)

GUIDELINES. REMEMBER THAT LIQUIDS ARE BANNED FROM LANDFILLING.

 SECTION VIII - SPECIAL PROTECTION INFORMATION:

-RESPIRATORY PROTECTION:

UP TO 25 MG/M3, HALF-MASK ORGANIC VAPOR RESPIRATOR. UP TO
 50 MG/M3, FULL-FACE ORGANIC VAPOR RESPIRATOR OR FULL-FACE
 SELF-CONTAINED RESPIRATOR. GREATER THAN 50 MG/M3, FIRE
 FIGHTING OR UNKNOWN CONCENTRATION, USE SELF-CONTAINED
 BREATHING APPARATUS WITH POSITIVE PRESSURE.

-VENTILATION:

MAINTAIN LOCAL OR DILUTION VENTILATION TO KEEP AIR CONCENTRATION
 BELOW TLV/PEL. REQUEST ASSISTANCE OF SAFETY AND INDUSTRIAL
 HYGIENE PERSONNEL TO DETERMINE AIR CONCENTRATION.

-PROTECTIVE GLOVES:

FOR PROLONGED OR REPEATED CONTACT, USE NITRILE OR
 NEOPRENE GLOVES OR OTHER MATERIAL RESISTANT TO
 PETROLEUM OILS.

-EYE PROTECTION:

SAFETY GLASSES, CHEMICAL GOGGLES OR FACE SHIELD AS APPROPRIATE
 FOR EXPOSURE.

-OTHER PROTECTIVE EQUIPMENT:

NONE NORMALLY REQUIRED.

 SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE CLEAN, DRY, BELOW 120°F (50°C) TO PRESERVE FOR INTENDED
 USE. DO NOT STORE WITH STRONG OXIDIZERS. STORE AS OSHA
 CLASS III COMBUSTIBLE LIQUID.

-OTHER PRECAUTIONS:

DOT HAZARDOUS MATERIAL? NO
 DOT SHIPPING NAME AND NUMBER - NOT APPLICABLE
 DOT HAZARD CLASS - NOT APPLICABLE

RECOMMENDED CONSUMER WARNING

WARNING: CONTAINS PETROLEUM HYDROCARBON LUBRICANT. MAY BE
 HARMFUL IF INHALED OR SWALLOWED. USE ONLY WITH
 ADEQUATE VENTILATION. IF INGESTED, DO NOT INDUCE VOMITING;
 CONTACT A PHYSICIAN.

KEEP AWAY FROM CHILDREN.

RECOMMENDED OSHA WARNING

WARNING: CONTAINS PETROLEUM HYDROCARBON LUBRICANT. MAY BE
 HARMFUL IF INHALED OR SWALLOWED. USE ONLY WITH
 ADEQUATE VENTILATION.

FIRST AID: INHALATION - REMOVE TO FRESH AIR. IF BREATHING
 HAS STOPPED, GIVE ARTIFICIAL RESPIRATION AND GET MEDICAL
 ATTENTION IMMEDIATELY. EYE CONTACT - FLUSH WITH WATER FOR
 AT LEAST 15 MINUTES. IF FILM OR IRRITATION PERSISTS, SEEK
 MEDICAL ATTENTION. SKIN CONTACT - WASH EXPOSED PORTIONS

(cont.)

Page: 6

CITGO PETROLEUM CORPORATION
M S D S for: MYSTIK JT-7 MULTI-PURPOSE GEAR LUBRICANT SAE 85W-140

SECTION IX - SPECIAL PRECAUTIONS (cont.)

-OTHER PRECAUTIONS: (cont.)
IMUM IMPURITY LEVELS OF COMPONENTS: < 1 PPM CADMIUM; < 1 PPM
LEAD; 2 PPM ARSENIC; AND 4 PPM ETHYL ACRYLATE, CAS# 140-88-5.