**SECTION I - PRODUCT IDENTIFICATION**

Manufacturer: CITGO PETROLEUM CORPORATION  
P.O. BOX 26868  
915 M.L. KING BLVD.  
OKLAHOMA CITY OK 73126  

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

<table>
<thead>
<tr>
<th>Hazard Ratings:</th>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
</tr>
</thead>
</table>
| none -> extreme | 1      | 1    | 0          | 1  
| 0 --> 4        |        |      |            |  
| HMIS | Personal Protection | B |  

**SECTION II - HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>Weight %</th>
<th>--- Exposure Limits ---</th>
<th>VP</th>
<th>mm HG</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETROLEUM HYDROCARBON</td>
<td>64742-68-0</td>
<td>5-20</td>
<td>5</td>
<td>mg/M3</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STL= 10</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>THIS PETROLEUM HYDROCARBON MAY ALSO BE CAS# 64741-88-4 OR 64742-01-4.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PETROLEUM HYDROCARBON</td>
<td>64742-62-7</td>
<td>&gt; 75</td>
<td>5</td>
<td>mg/M3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STL= 10</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>THIS PETROLEUM HYDROCARBON MAY ALSO BE REPRESENTED BY CAS NUMBERS 64741-88-4 OR 64742-01-4 DEPENDING ON CURRENT SUPPLIER.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROPRIETARY ADD:5166 Mixture</td>
<td>CAS#</td>
<td>5-20</td>
<td>400</td>
<td>400</td>
<td>ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL= 500</td>
<td></td>
<td>500</td>
</tr>
<tr>
<td>PROPRIETARY ADDITIVE 5166 CONTAINS 0.1-0.9% ISOPROPANOL 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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROPRIETARY ADD:5513 Mixture</td>
<td>1-5</td>
<td>5</td>
<td>mg/M3</td>
<td>5</td>
<td>mg/M3N/AV</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL= 10</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

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

SECTION III - PHYSICAL DATA

Boiling Range: EST. >600°F Deg. F
Evap. Rate: Slower than n-Butyl Acetate %
Volatile volume: N/A

Appearance: RED LIQUID
V.O.C.: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Plammability Class: 1
Flash Point: 420°F (216°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.

SECTION V - HEALTH HAZARD DATA

-MISSIBLE 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 TARC, 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.)
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.)
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. 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 NORMALY 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.)
SECTION IX - SPECIAL PRECAUTIONS (cont.)

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