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

SECTION I - PRODUCT IDENTIFICATION

Manufacturer: CATO OIL AND GREASE CORP. 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 80W-90
 Product Class: GL-6 GEAR LUBE SAE 80W-90

Product Code : 1617B-001

C.A.S. Number: COMPLEX MIXTURE

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

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits		VP mm HG
			ACGIH/TLV	OSHA/PEL	
PETROLEUM HYDROCARBON	64742-54-7	20-50	5 mg/M3	5	mg/M30
THIS PETROLEUM HYDROCARBON MAY ALSO CONTAIN THE FOLLOWING CAS NUMBERED MATERIALS CAS# 64741-88-4 AND/OR CAS# 64741-89-5.					
PETROLEUM HYDROCARBON	64742-62-7	20-50	5 mg/M3	5	mg/M30
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
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 0.1 TO 0.9% TRIMETHYLBENZENE (CAS# 95-63-6) WHICH HAS A TLV-TWA OF 25 PPM.					
PROPRIETARY ADD:5513	MIXTURE	1-5	5 mg/M3	5	mg/M3N/AV

*** 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

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SECTION III - PHYSICAL DATA

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: 0.89 Pounds.
	Spec. Gravity: 0.11

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

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 1 Flash Point: 410'F(210'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

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.)

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

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SECTION VI - REACTIVITY DATA
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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.

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SECTION VII - SPILL OR LEAK PROCEDURES
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-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.)

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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.)

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SECTION IX - SPECIAL PRECAUTIONS (cont.)

-OTHER PRECAUTIONS: (cont.)

WITH SOAP AND WATER. INGESTION - DO NOT INDUCE VOMITING;
CONTACT A PHYSICIAN.

CAUTION: EMPTY CONTAINERS RETAIN RESIDUE. DO NOT PRESSURIZE,
CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE THIS CONTAINER
TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION. DO NOT
ATTEMPT TO CLEAN. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED,
PROPERLY BUNGED, AND PROPERLY RETURNED TO A DRUM RECONDITIONER.

KEEP AWAY FROM CHILDREN.

REFER TO THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL
INFORMATION.

DISCLAIMER

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS
PUBLICATION HAVE BEEN COMPILED FROM SOURCES BELIEVED TO
BE RELIABLE AND TO REPRESENT THE BEST CURRENT OPINION ON
THE SUBJECT AT THE TIME OF PUBLICATION. SINCE WE CANNOT
ANTICIPATE OR CONTROL THE MANY DIFFERENT CONDITIONS UNDER
WHICH THIS INFORMATION OR OUR PRODUCTS MAY BE USED, WE
MAKE NO GUARANTEE THAT THE RECOMMENDATIONS WILL BE ADEQUATE
FOR ALL INDIVIDUALS OR SITUATIONS. EACH USER OF THE PRODUCT
DESCRIBED HEREIN SHOULD DETERMINE THE SUITABILITY OF THE
DESCRIBED PRODUCT FOR HIS PARTICULAR PURPOSE AND SHOULD
COMPLY WITH ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS
CONCERNING THE DESCRIBED PRODUCT.

ABBREVIATIONS:

N/A	NOT APPLICABLE	PEL	PERMISSIBLE EXPOSURE LIMIT
N/K	NOT KNOWN	TWA	TIME WEIGHTED AVERAGE
N/AV	NOT AVAILABLE	TLV	THRESHOLD LIMIT VALUE
COC	CLEVELAND OPEN CUP	STEL	SHORT TERM EXPOSURE LIMIT
PMCC	PENSKI-MARTENS CLOSED CUP		
G	GRAM	DOT	DEPARTMENT OF TRANSPORTATION
MG	MILLIGRAM	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMIN.
M3	CUBIC METER	SARA	SUPERFUND AMEND. & REAUTHORIZ. ACT
LD 50	LETHAL DOSE 50%		
LC 50	LETHAL CONCENTRATION 50%		
EPA	ENVIRONMENTAL PROTECTION AGENCY		
SAE	SOCIETY OF AUTOMOTIVE ENGINEERS		
ISO	INTERNATIONAL STANDARDS ORGANIZATION		

BASED ON PROPRIETARY ADDITIVE 5166 THIS PRODUCT MAY REQUIRE
EXPORT NOTIFICATION UNDER THE TOXIC SUBSTANCE CONTROL ACT (TSCA)
SECTION 12B FOR:

1,2,4-TRIMETHYLBENZENE, AND 1,3,5-TRIMETHYLBENZENE,
ISOPROPYL ALCOHOL AND PHENOL. PROPRIETARY ADDITIVE 5166 MAY
CONTAIN THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF CAL-
(cont.)

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SECTION IX - SPECIAL PRECAUTIONS (cont.)

-OTHER PRECAUTIONS: (cont.)

FORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS BASED ON THE MAX-
IMUM IMPURITY LEVELS OF COMPONENTS: < 1 PPM CADMIUM; < 1 PPM
LEAD; 2 PPM ARSENIC; AND 4 PPM ETHYL ACRYLATE, CAS# 140-88-5.