

1FID: 00232358
VER DATE: 1997-07-23

C H E M I S T R I
MATERIAL SAFETY DATA SHEET

DATE: 10/22/02
TIME: 19:01:58
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SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: CHEVRON SYNTHETIC GEAR LUBRICANT TEGRA SAE 75W-90
ALL SYNONYMS : CHEVRON SYNTHETIC GEAR LUBRICANT TEGRA SAE 75W-90
CHEVRON TEGRA SYNGEAR
CHEVRON TEGRA SYNGEAR 75W-90
CPS233919
MSDS IS OSHA COMPLIANT, BUT NOT GM TMC003 COMPLIANT.
SYNGEAR 75W-90
SYNTHETIC COLD CLIMATE FRONT AXLE LUBRICANT - SAE 75W-90
SYNTHETIC GEAR LUBRICANT
TEGRA SYNGEAR
12345836
210820 (OLD FID)

SAFE USE CATEGORY AND DESCRIPTION: 04 -METAL WORKING FLUIDS AND
LUBRICANTS

LAST UPDATED DATE: 1997-07-23

MANUFACTURER'S ID (MID): 000555595
MANUFACTURER'S NAME: CHEVRON PRODUCTS COMPANY
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 800-231-0623
US 703-527-3887

MANUFACTURER'S MAILING ADDRESS:

CONSUMERS PRODUCTS TEAM
555 MARKET STREET RM 803
SAN FRANCISCO CA 94105
US

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000103242	> 85.0000/ 0.0000%	W	AZELAIC ACID, BIS(2-ETHYLHEXYL) ES TER
068037014	> 85.0000/ 0.0000%	W	1-Decene, homopolymer, hydrogenate d
068649127	> 85.0000/ 0.0000%	W	1-Decene, tetramer, mixed with 1-d ecene trimer, hydrogenated
989922746	< 0.0000/ 15.0000%	W	ADDITIVES

SECTION 2 - OTHER INFORMATION: ADDITIONAL INFORMATION REQUESTED FROM
MANUFACTURER: FOR A BETTER CHEMICAL DESCRIPTION FOR ADDITIVES AND
SMALLER PERCENT RANGES. // CAS# 68037014, 68649127, AND103242 TOGETHER
COMPRISE > 85% OF THE TOTAL PRODUCT.

THRESHOLD LIMIT VALUE: THIS PRODUCT FITS THE ACGIH DEFINITION FOR
MINERAL OIL MIST. THE ACGIH TLV IS 5 MG/M3

PERMISSIBLE EXPOSURE LIMIT: THE OSHA PEL IS 5 MG/M3

SECTION 03: HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - SKIN: CONTACT WITH THE SKIN IS NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT IRRITATION. NOT EXPECTED TO BE HARMFUL TO INTERNAL ORGANS IF ABSORBED THROUGH THE SKIN.

EFFECTS OF OVEREXPOSURE - EYE: NOT EXPECTED TO CAUSE PROLONGED OR SIGNIFICANT EYE IRRITATION.

EFFECTS OF OVEREXPOSURE - INHALATION: CONTAINS A PETROLEUM-BASED MINERAL OIL THAT MAY CAUSE RESPIRATORY IRRITATION OR OTHER PULMONARY EFFECTS FOLLOWING PROLONGED OR REPEATED INHALATION OF AIRBORNE LEVELS ABOVE THE RECOMMENDED EXPOSURE LIMIT,

EFFECTS OF OVEREXPOSURE - INGESTION: NOT EXPECTED TO BE HARMFUL IF SWALLOWED.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT YET DETERMINED.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: NO SPECIFIC FIRST AID MEASURES ARE REQUIRED BECAUSE THIS MATERIAL IS NOT EXPECTED TO BE HARMFUL IF IT CONTACTS THE SKIN. AS A PRECAUTION, REMOVE CLOTHING AND SHOES IF CONTAMINATED. USE A WATERLESS HAND CLEANER, MINERAL OIL, OR PETROLEUM JELLY TO REMOVE THE MATERIAL. THEN WASH SKIN WITH SOAP AND WATER. WASH OR CLEAN CONTAMINATED CLOTHING AND SHOES BEFORE REUSE.

EMERGENCY FIRST AID PROCEDURES - EYES: NO SPECIFIC FIRST AID MEASURES ARE REQUIRED BECAUSE THIS MATERIAL IS NOT EXPECTED TO CAUSE EYE IRRITATION. AS A PRECAUTION REMOVE CONTACT LENSES, IF WORN, AND FLUSH EYES WITH WATER.

EMERGENCY FIRST AID PROCEDURES - INHALATION: IF EXPOSED TO EXCESSIVE LEVELS OF MATERIAL IN THE AIR, MOVE THE EXPOSED PERSON TO FRESH AIR. GET MEDICAL ATTENTION IF COUGHING OR RESPIRATORY DISCOMFORT OCCURS.

EMERGENCY FIRST AID PROCEDURES - INGESTION: NO SPECIFIC FIRST AID MEASURES ARE REQUIRED BECAUSE THIS MATERIAL IS NOT EXPECTED TO BE HARMFUL IF SWALLOWED. DO NOT INDUCE VOMITING. AS A PRECAUTION, GIVE THE PERSON A GLASS OF WATER OR MILK TO DRINK AND GET MEDICAL ADVICE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: N/A

FLAMMABLE UEL: N/A

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES: THIS MATERIAL WILL BURN ALTHOUGH IT IS NOT EASILY IGNITED.

HMIS CODES:

HMIS REACTIVITY CODE = 0

HMIS HEALTH CODE = 1

HMIS FLAMMABILITY CODE = 1

NFPA CODES:

NFPA FLAMMABILITY CODE = 1

NFPA HEALTH CODE = 1

NFPA REACTIVITY CODE = 0

AUTO-IGNITION TEXT: NO DATA AVAILABLE

FLASH POINT TEMPS: = 150.00C/ 302.00F

FLASH POINT TEXT: MIN.

FLASH POINT METHOD: COC

SECTION 5 - OTHER INFORMATION: FIRE CLASSIFICATION: CLASSIFICATION (29 CFR 1910.1200): NOT CLASSIFIED BY OSHA AS FLAMMABLE OR COMBUSTIBLE. COMBUSTION PRODUCTS: NORMAL COMBUSTION FORMS CARBON DIOXIDE AND WATER VAPOR AND MAY PRODUCE OXIDES OF SULFUR AND PHOSPHORUS. INCOMPLETE COMBUSTION CAN PRODUCE CARBON MONOXIDE. // HMIS RATINGS: PPE:- PERSONAL PROTECTION EQUIPMENT INDEX RECOMMENDATION

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: STOP THE SOURCE OF THE LEAK OR RELEASE. CLEAN UP RELEASES AS SOON AS POSSIBLE. CONTAIN LIQUID TO PREVENT FURTHER CONTAMINATION OF SOIL, SURFACE WATER OR GROUND WATER. CLEAN UP SMALL SPILLS USING APPROPRIATE TECHNIQUES SUCH AS SORBENT MATERIALS OR PUMPING. WHERE FEASIBLE AND APPROPRIATE, REMOVE CONTAMINATED SOIL. FOLLOW PRESCRIBED PROCEDURES FOR REPORTING AND RESPONDING TO LARGER RELEASES.

SECTION 6 - OTHER INFORMATION: CHEMTREC EMERGENCY NUMBER (24 HR): (800)424-9300 OR (703)527-3887 INTERNATIONAL COLLECT CALLS ACCEPTED

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT USE PRESSURE TO EMPTY DRUM OR DRUM MAY RUPTURE WITH EXPLOSIVE FORCE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (SOLID, LIQUID, AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED, AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF. AVOID CONTAMINATING SOIL OR RELEASING THIS MATERIAL INTO SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: NO SPECIAL EYE PROTECTION IS NORMALLY REQUIRED. WHERE SPLASHING IS POSSIBLE, WEAR SAFETY GLASSES WITH SIDE SHIELDS AS A GOOD SAFETY PRACTICE.

SKIN PROTECTION: NO SPECIAL PROTECTIVE CLOTHING IS NORMALLY REQUIRED. WHERE SPLASHING IS POSSIBLE, SELECT PROTECTIVE CLOTHING DEPENDING ON OPERATIONS CONDUCTED, PHYSICAL REQUIREMENTS AND OTHER SUBSTANCES, SUGGESTED MATERIALS FOR PROTECTIVE GLOVES INCLUDE: <VITON> <NITRILE> <SILVER SHIELD>

RESPIRATORY PROTECTION: NO SPECIAL RESPIRATORY PROTECTION IS NORMALLY REQUIRED. IF USER OPERATIONS GENERATE AN OIL MIST, DETERMINE IF AIRBORNE CONCENTRATIONS ARE BELOW THE RECOMMENDED EXPOSURE LIMITS. IF

NOT, SELECT A NIOSH/MSHA APPROVED RESPIRATOR THAT PROVIDES ADEQUATE PROTECTION FROM CONCENTRATIONS OF THIS MATERIAL. USE THE FOLLOWING ELEMENTS FOR AIR-PURIFYING RESPIRATORS: PARTICULATE.

ENGINEERING CONTROLS: USE IN A WELL-VENTILATED AREA. IF USER OPERATIONS GENERATE AN OIL MIST, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW THE RECOMMENDED EXPOSURE LIMITS.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

THEORETICAL VOC WITHOUT WATER: VOLATILE ORGANIC COMPOUNDS (VOC): 2.3 WT.%, 19.99 G/L

BOILING POINT TEXT: NO DATA AVAILABLE

MELTING/FREEZE POINT TEXT: FREEZING POINT: NO DATA AVAILABLE // MELTING POINT: NOT APPLICABLE

SPECIFIC GRAVITY VALUES: = 0.8700
SPECIFIC GRAVITY TEXT: AT 15.6/15/6C

DENSITY TEXT: 0.8639 G/ML

VAPOR DENSITY TEXT: NOT APPLICABLE

VAPOR PRESSURE TEXT: NOT APPLICABLE

PERCENT VOLATILE BY WEIGHT TEXT: (VOL): NO DATA AVAILABLE

EVAPORATION RATE TEXT: NOT APPLICABLE

SOLUBILITY IN WATER TEXT: SOLUBLE IN HYDROCARBON SOLVENTS, INSOLUBLE IN WATER.

PH OF PRODUCT AS RECEIVED (NEAT)/TEXT: NO DATA AVAILABLE

APPEARANCE: DARK PUNGENT LIQUID.

VISCOSITY TEXT: 13.7 CST AT 100C (MIN.)

SECTION 10: STABILITY & REACTIVITY

STABILITY - CONDITIONS TO AVOID: NO DATA AVAILABLE.

STABILITY - TEXT: STABLE.

INCOMPATIBLE MATERIALS: MAY REACT WITH STRONG OXIDIZING AGENTS: SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC.

HAZARDOUS DECOMPOSITION PRODUCTS: H2S

HAZARDOUS POLYMERIZATION TEXT: POLYMERIZATION WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

EYE EFFECTS: THE EYE IRRITATION HAZARD IS BASED ON DATA FOR A SIMILAR MATERIAL.

SKIN EFFECTS: THE SKIN IRRITATION HAZARD IS BASED ON DATA FOR A SIMILAR MATERIAL.

ACUTE ORAL EFFECTS: THE ACUTE ORAL TOXICITY IS BASED ON DATA FOR A SIMILAR MATERIAL.

ACUTE INHALATION EFFECTS: THE ACUTE RESPIRATORY TOXICITY IS BASED ON DATA FOR A SIMILAR MATERIAL.

CARCINOGENICITY: THIS PRODUCT CONTAINS SYNTHETIC BASE OILS NOT REFINED FROM PETROLEUM BASE STOCKS. THE POTENTIAL OF BASE OIL PREPARED BY THIS PROCESS TO CAUSE CANCER HAS NOT BEEN SPECIFICALLY ADDRESSED BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC), NOR THE NATIONAL TOXICOLOGY PROGRAM (NTP) ANNUAL REPORT.

MUTAGENICITY: HOWEVER, THE PROCESS CONDITIONS, CHEMICAL ANALYSIS, AND THE RESULTS OF MUTAGENICITY TESTS ALL SUPPORT OUR OPINION THAT THESE OILS SHOULD NOT CAUSE SKIN CANCER.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: ECOTOXICITY: THIS MATERIAL IS NOT EXPECTED TO BE HARMFUL TO AQUATIC ORGANISM. // ENVIRONMENTAL FATE: THIS MATERIAL IS NOT EXPECTED TO BE READILY BIODEGRADABLE.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: OIL COLLECTION SERVICES ARE AVAILABLE FOR USED OIL RECYCLING OR DISPOSAL. PLACE CONTAMINATED MATERIALS IN CONTAINERS AND DISPOSE OF IN A MANNER CONSISTENT WITH APPLICABLE REGULATIONS. CONTACT YOUR SALES REPRESENTATIVE OR LOCAL ENVIRONMENTAL OR HEALTH AUTHORITIES FOR APPROVED DISPOSAL OR RECYCLING METHODS.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION: DOT PACKING GROUP: NOT APPLICABLE

SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT

HAZARD CLASS: NOT APPLICABLE

U.N. CODE: NOT APPLICABLE

SECTION 14 - OTHER INFORMATION: THE DESCRIPTION SHOWN MAY NOT APPLY TO ALL SHIPPING SITUATIONS. CONSULT 49CFR, OR APPROPRIATE DANGEROUS GOODS REGULATIONS, FOR ADDITIONAL DESCRIPTION REQUIREMENTS (E.G., TECHNICAL NAME) AND MODE-SPECIFIC OR QUANTITY-SPECIFIC SHIPPING REQUIREMENTS

SECTION 15: REGULATORY INFORMATION

SARA 311/312 HAZARD INDICATORS:

IMMEDIATE HEALTH INDICATOR = N
DELAYED HEALTH INDICATOR = N
FIRE INDICATOR = N
SUDDEN PRESSURE RELEASE INDICATOR = N
REACTIVITY INDICATOR = N

SECTION 15 - OTHER INFORMATION: ALL THE COMPONENTS OF THIS MATERIAL ARE ON THE TOXIC SUBSTANCES CONTROL ACT CHEMICAL SUBSTANCES INVENTORY. NONE OF THE LISTED COMPONENTS OF THIS MATERIAL ARE FOUND ON THE REGULATORY LISTS INDICATED. // EEC RISK AND SAFETY STATEMENTS: MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT // NEW JERSEY RTK CLASSIFICATION: UNDER THE NEW JERSEY RIGHT-TO-KNOW ACT L. 1983 CHAPTER 315 N.J.S.A. 34:5A-1 ET. SEQ., THE PRODUCT IS TO BE IDENTIFIED AS FOLLOWS: PETROLEUM OIL // WHMIS CLASSIFICATION: THIS PRODUCT IS NOT CONSIDERED A CONTROLLED PRODUCT ACCORDING TO THE CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS.
SAFE USE CATEGORY AND DESCRIPTION :

04 METAL WORKING FLUIDS AND LUBRICANTS

REGULATORY IMPACTS (REG) AND ADDITIONAL HEALTH HAZARD STATEMENTS (HHS) :

CAS#: 000103242 AZELAIC ACID, BIS(2-ETHYLHEXYL) ESTER

REG:
0012

CAS#: 068037014 1-Decene, homopolymer, hydrogenated

REG:
0012

CAS#: 068649127 1-Decene, tetramer, mixed with 1-decene trimer, hydroge

REG:
0012

REGULATORY KEY LIST:

0001	OSHA-PEL	0003	ACGIH-TLV	0004	GM-SPEC CHEM
0005	SUSP CARCIN	0006	EPA HW261.33	0007	EPA HW-APP 8
0008	MCMR	0009	FWPC-SEC 311	0010	EPA PRIORPOL
0011	NY SUBS CONC	0012	TSCA INV	0014	MI AIR POLLU
0015	SUP TAX CHEM	0016	MI HW-ACT 64	0017	CA HAZ SUBST
0018	NY SAN 22.8	0019	MA SUBST	0020	NJ ENV SUBST
0021	TOX ORGANICS	0022	MD CLASS I	0023	MD CLASS II
0024	EPA-ATC-I	0026	EPA-CHEMCONC	0027	WB VERY TOX
0028	WB OTHER TOX	0031	ALLGHNY CTY	0032	IL-RTK
0033	OSHA-HHCL	0034	FLT CRIT IND	0035	GM-AHC
0036	PRO EP TOX	0037	MO SPECIES	0038	MO-RTK
0039	ONT 654-86	0040	ONT DES SUB	0041	SARA312EXHAZ
0042	WI TABLE 1	0043	WI TABLE 2	0047	SARA 313
0048	CERCLASEC103	0049	P-65 CARCINO	0050	P-65 REP TOX
0051	MD CLSI .11	0052	MD CLSI .12	0053	MD CLSII .12
0054	CT 29-1	0055	CT 29-2	0056	CT 29-3
0058	EPA261.33(F)	0059	CA AIR TOX 1	0060	CA AIR TOX 2

0061 PA RTK	0063 PELS REVISED	0064 NPDES-TOXPOL
0065 NJ W&C RTK	0066 CAA HAZ POL	0067 NV HIGH HAZ.
0068 MI 307-CARC	0069 MI 307-NCARC	0070 MICH AIR
0071 CAA602 CLSI	0075 C	0076 D
0078 GREAT LAKES	0080 METALS	0082 EPA 112(R)
0083 TSCA 8(D))	0084 GM OEG	0085 TSCA-TEST
0087 TSCA 12(B)	0088 NAT. POLL. REL	0089 NY CHEM BULK
0090 GL PERSIST	0091 LAND DISP. - II	0092 UAW/GM AUDIT
0093 TSCA - SPECIAL	0095 FIFRA REG MAT	0098 DSL - CANADA
0099 NDSL - CANADA	0102 GM 1000M	0103 CAA SEC. 112(R)
0104 CERCLA-HAZWOPER	0105 GLPPP-SPECIFIC	0106 GLPPP-SPECIFIC
0107 PET. DISTILLATE	0109 APPENDIX IX	0110 GLOBAL WARM CMP
0112 RCRA PBT -DRAFT	0113 IARC-GROUP 2B	0115 IARC-GROUP 1
0116 GMW 3059-RESTR.	0117 GMW 3059-REPORT	0118 T.W. REPORT
0121 HEX CHROME, PB,	0122 ACDM-REPORTING	0123 MDEQ PART 5

GMBA/PLANT USING THIS FID:

GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS
CISCO: 17001;
STATUS :ACTIVE

GMBA: 000550957 CHEMICAL RISK MANAGEMENT
CISCO: 89150;
STATUS :ACTIVE

GMBA: 000550966 GM PROVING GROUND - MILFORD
CISCO: 94017;
STATUS :ACTIVE

GMBA: 000550976 GM TECHNICAL CENTER, TOTAL SITE
CISCO: 96003;
STATUS :ACTIVE

GMBA: 000556298 GM TECHNICAL CENTER, TOTAL SITE
STATUS :ACTIVE

GMBA: 000556705 ENVIRONMENTAL SYSTEMS HELPDESK
CISCO: 99004;
STATUS :ACTIVE