

Prod.Name: EMGARD 2984 EP 75W-90 SYNTHETIC GEAR LUBRICANT
Manufacturer: COGNIS CORPORATION
HMCS ID: 225336
SUC: 04 - Metal Working Fluids and Lubricants

MATERIAL SAFETY DATA SHEET

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1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT INFORMATION

Product Name: EMGARD 2984 EP 75W-90 SYNTHETIC GEAR LUBRICANT

Product Synonyms:

9986106
232087 (OLD FID)
2984-F EP 75W-90 SYNTHETIC GEAR LUBRICANT
EMGARD 2984-F EP 75W-90 SYNTHETIC GEAR LUBRICANT (FORMER)
EP 75W-90 SYNTHETIC GEAR LUBRICANT EMGARD 2984-F
12345841

75W-90
SYNTHETIC AXLE LUBRICANT FOR MEDIUM DUTY TRUCKS

Recommended Use:

PRODUCT DESCRIPTION: AUTOMOTIVE LUBRICANTS.

External Keys:

9986106 Productive Materials
12345841 Distributable Material (Part #)
75W-90 Distributable Material (Part #)
89021675 Distributable Material (Part #)
SYNTHETIC Primary Tradename - Distributable Material
AXLE
LUBRICANT
FOR MEDIUM
DUTY
TRUCKS
SYNTHETIC Primary Tradename - Distributable Material
AXLE
LUBRICANT
SAE 75W-90

MANUFACTURER INFORMATION

Manufacturer: COGNIS CORPORATION

Address:

5051 ESTECREEK ROAD USA OHIO 45232 CINCINNATI MAILING

Communication Lines:

Phone 800-424-9300 EMERGENCY

Comment:

EMERGENCY OVERVIEW: NON-HAZARDOUS UNDER NORMAL CONDITIONS OF USE. DARK COLORED LIQUID.

2 INGREDIENT INFORMATION

FORMULATION

Ingredients:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Exposure Limits</u>
2-NAPHTHYLAMINE	91-59-8	Trace	0	% Wt	No
BUTENE, POLYMERS	9003-29-6	Range	25 - 35	% Wt	No
ADIPIC ACID, DIISODECYL ESTER	27178-16-1	Range	25 - 35	% Wt	No
1-Decene, homopolymer, hydrogenated	68037-01-4	Range	25 - 35	% Wt	No
EXTREME PRESSURE ADDITIVE	989915-45-8	Range	5 - 15	% Wt	No
LUBRICANT ADDITIVE	989933-54-3	<	2	% Wt	No

Comment:

Other Information: 27178-16-1 AND 9003-29-6 CONTAIN LOW LEVELS (<1%) OF LUBRICANT ADDITIVE, FINAL PRODUCT NON-HAZARDOUS.

3 HAZARDS IDENTIFICATION

Hazards Overview:

Skin Primary Entry: Yes. Eye Primary Entry: Yes. Inhalation Primary Entry: Yes. Ingestion Primary Entry: Yes.

Specific Hazards:

SKIN.

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Specific Hazards (Routes Of Exposure):

<u>Exposure Routes</u>	<u>Exposure Duration</u>	<u>Observation</u>
Skin Contact	General	SKIN CONTACT: SIMILAR MATERIALS ARE NOT CLASSIFIED AS SKIN IRRITANTS. THE SKIN IRRITATION SCORE FOR THIS SUBSTANCE HAS NOT BEEN DETERMINED.
Eye Contact	General	EYE CONTACT: SIMILAR MATERIALS ARE NOT CLASSIFIED AS EYE IRRITANTS. THE EYE IRRITATION SCORE FOR THIS SUBSTANCE HAS NOT BEEN DETERMINED.
Inhalation	General	INHALATION OF MIST MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM.
Ingestion	General	MAY BE HARMFUL IF SWALLOWED IN LARGE QUANTITIES.

Medical Conditions Aggravated By Exposure:

NOT PROVIDED.

Comment:

Additional Health Hazard Data: CHRONIC EFFECTS: NONE KNOWN.NO EFFECTS OF CHRONIC EXPOSURE OR TARGET ORGAN EFFECTS ARE KNOWN.

4 FIRST AID MEASURES

First Aid By::

Inhalation	IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. GET MEDICAL ATTENTION IMMEDIATELY.
Skin Contact	SKIN CONTACT: WASH AFFECTED AREA WITH SOAP AND WATER.
Eye Contact	EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. DO NOT LET VICITIM RUB EYES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.
Ingestion	DO NOT INDUCE VOMITING! NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

5 FIRE FIGHTING MEASURES

Flash Point:

=	338	F	PMCC.	Flash Point Method Text:PENSKY-MARTENS CLOSED CUP.
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Autoignition Temperature:

NOT DETERMINED.

Extinguishing Media:

RECOMMENDED EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER SPRAY.

Fire and Explosion Hazards:

UNUSUAL FIRE OR EXPLOSION HAZARDS: PERFORM ONLY THOSE FIRE FIGHTING PROCEDURES FOR WHICH YOU HAVE BEEN TRAINED. FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES, OR HAZARDOUS DECOMPOSITION PRODUCTS.

Special Fire Fighting Procedures:

SPECIAL FIRE FIGHTING PROCEDURES: USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL. IF A SPILL OR LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE.

Comment:

HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, SULFUR, AND PHOSPHORUS.LFL AND UFL: NOT DETERMINED.

6 ACCIDENTAL RELEASE MEASURES

Comment:

Spill or Leak Procedures: STEPS TO TAKE IN CASE OF SPILL OR LEAK: ADD DRY MATERIAL TO ABSORB SPILL (IF LARGE SPILL, DIKE TO CONTAIN). USING RECOMMENDED PROTECTIVE EQUIPMENT, PICK UP BULK OF SPILL AND CONTAINERIZE FOR RECOVERY OR DISPOSAL. FLUSH AREA WITH WATER TO REMOVE RESIDUES.

7 HANDLING AND STORAGE

STORAGE

Additional Information on Storage Conditions:

Precautions to be Taken in Handling and Storage: NO SPECIAL PRECAUTIONS NECESSARY. AVOID CONTAINER DAMAGE

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WHILE HANDLING AND STORING.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

Local Exhaust: LOCAL EXHAUST.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE):

Eye Protection SAFETY GLASSES WITH SIDE SHIELDS.
Respiratory IF EXPOSED TO AEROSOL OR MIST, WEAR NIOSH
Protection APPROVED CATEGORY 23C RESPIRATOR,
EXCLUDING SINGLE USE OR DISPOSABLE
RESPIRATORS IN ACCORDANCE WITH 30 CFR 11(I).
THE RESPIRATOR SHALL BE EQUIPPED WITH
COMBINATION CARTRIDGES APPROVED FOR
PAINTS, ENAMELS, AND LACQUERS UNLESS
AIR-SUPPLIED RESPIRATOR IS SELECTED. USE OF
RESPIRATOR SHALL BE ACCORDING TO 29 CFR
1910.134 AND 30 CFR 11.
Hand Protection RUBBER GLOVES.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical State: Physical State: Liquid.

Color: DARK COLORED LIQUID.

Odor: PUNGENT. ODOR THRESHOLD: NOT DETERMINED.

PHYSICAL PROPERTIES

pH Value:

Concentrate NOT DETERMINED.

Changes of State:

Boiling Point NOT DETERMINED.

Melting/Freezing Point MELTING POINT: NOT DETERMINED.

Vapor Pressure:

NOT DETERMINED.

Vapor Density:

NOT DETERMINED.

Evaporation Rate:

NOT DETERMINED. (N-BUTYL ACETATE = 1)

Specific Gravity:

= 0.885

Solubility:

Water Solubility in Water Text:INSOLUBLE.

Total Amount Of:

Percent Volatile by Weight NOT DETERMINED.

Comment:

VOC CONTENT (EPA METHOD 24): NOT DETERMINED.

10 STABILITY AND REACTIVITY

STABILITY INFORMATION

Stability Under Normal Conditions: Stable

Incompatible Materials:

STRONG ACIDS, BASES, AND OXIDIZING AGENTS.

Hazardous Polymerization:

Hazardous Polymerization: None. Hazardous Polymerization Conditions to avoid: AVOID CONTACT WITH HEAT, SPARKS, FLAME, AND ALL SOURCES OF IGNITION. Hazardous Polymerization Text: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION

Reactions:

Type of Reaction

Decomposition

Reaction Products

DECOMPOSITION MAY PRODUCE OXIDES OF CARBON, NITROGEN, SULFUR, AND PHOSPHORUS.

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Stability Text: NORMALLY STABLE.

11 TOXICOLOGICAL INFORMATION

CLASSIFICATION OF INGREDIENTS

Carcinogenicity:

NO CARCINOGENIC EFFECTS ARE KNOWN.CALIFORNIA PROPOSITION 65 COMPONENTS: WARNING! THIS PRODUCT CONTAINS A CHEMICAL (OR CHEMICALS) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: 91-59-8 < 0.0001%.

Mutagenicity:

NO MUTAGENIC EFFECTS ARE KNOWN.

Reproductive Effects:

NO TERATOGENIC EFFECTS ARE KNOWN.CALIFORNIA PROPOSITION 65 COMPONENTS: WARNING! THIS PRODUCT CONTAINS A CHEMICAL (OR CHEMICALS) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: 91-59-8 < 0.0001%.

Comment:

Toxicological Data Unlimited Text: NO TOXICITY INFORMATION AVAILABLE OR TESTING CONDUCTED ON THIS PRODUCT. ANY HEALTH OR TOXICOLOGICAL INFORMATION INCLUDED IN SECTION 3 WAS BASED ON DATA ASSOCIATED WITH THE COMPONENTS OR AN ANALOGOUS PRODUCT.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT

Comment:

ECOLOGICAL TOXICITY: NOT DETERMINED.ENVIRONMENTAL FATE: NOT DETERMINED.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Information:

ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED AND DISPOSED OR RECLAIMED IN CONFORMANCE WITH APPLICABLE LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES. AVOID LANDFILLING OF LIQUIDS. RECLAIM WHERE POSSIBLE.

14 TRANSPORT INFORMATION

Comment:

OIL LUBRICATING, NOI, OTHER THAN PETROLEUM.NMFC: 145000SUB 2THE INFORMATION PROVIDED IS FOR DOMESTIC HIGHWAY TRANSPORTATION ONLY. THIS PRODUCT MAY BE REGULATED DIFFERENTLY WHEN SHIPPED IN OTHER TYPES OF CONTAINERS OR BY MODES OTHER THAN THAT ADDRESSED BY THIS SECTION OF THE MSDS. FOR INFORMATION, PLEASE CONTACT REGULATORY AFFAIRS AT 513-482-5022.FOR RQ APPLICABILITY, PLEASE SEE SECTION XV.

15 REGULATORY INFORMATION

LABELLING

Hazard Codes:

HMIS Reactivity	0
HMIS Health	1
HMIS Flammability	1
NFPA Flammability	1
NFPA Health	1
NFPA Reactivity	0

NATIONAL REGULATIONS

Immediate Health: No

Delayed Health: Yes

Fire: No

Sudden Pressure Release: No

Reactive: No

Comment:

SARA 311/312 DELAYED/CHRONIC FLAGGED YES BY GENERAL MOTORS TECHNICAL REVIEW FOR REGULATORY REPORTING PURPOSES ONLY.TSCA INVENTORY STATUS: THIS PRODUCT AND/OR ALL OF ITS COMPONENTS ARE EITHER INCLUDED ON OR EXEMPT FROM THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.TSCA 12(B) COMPONENTS: NONE.SARA 311/312 HAZARD CATEGORIES: ACUTE=NO.SARA 313 TOXIC CHEMICALS: NONE.SARA 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE.CERCLA HAZARDOUS SUBSTANCES: 91-59-8 (BETA NAPHTHYLAMINE) < 0.0001%.CALIFORNIA PROPOSITION 65 COMPONENTS: WARNING! THIS PRODUCT CONTAINS A CHEMICAL OR CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS AND/OR OTHER REPRODUCTIVE HARM: 91-59-8 < 0.0001%.

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16 OTHER INFORMATION

Additional Comments:

NON-HAZARDOUS UNDER NORMAL CONDITIONS OF USE.FIRST-AID - INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. GET MEDICAL ATTENTION IMMEDIATELY.FIRST-AID - SKIN CONTACT: WASH AFFECTED AREA WITH SOAP AND WATER.FIRST-AID - EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. DO NOT LET VICTIM RUB EYES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.FIRST-AID - INGESTION: DO NOT INDUCE VOMITING! NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.
