

COGNIS CORPORATION -- EMGARD 2984-D EP 75W-90 SYNTHETIC GEAR LUBRIC

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MSDS Safety Information  
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FSC: 9150

NIIN: 01-035-5390

MSDS Date: 01/02/2000

MSDS Num: CKDQD

Product ID: EMGARD 2984-D EP 75W-90 SYNTHETIC GEAR LUBRICANTS

MFN: 01

Responsible Party

Cage: TO539

Name: COGNIS CORPORATION

Address: 5051 ESTECREEK DRIVE

City: CINCINNATI OH 45232

Info Phone Number: 800-643-7370/FAX 513-482-5515

Emergency Phone Number: 800-643-7370  
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Item Description Information  
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Item Manager: S9G

Item Name: LUBRICATING OIL,GEAR

Specification Number: MIL-L-2105

Type/Grade/Class: GR 75W

Unit of Issue: QT

UI Container Qty: G

Type of Container: CAN  
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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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LD50 LC50 Mixture: ORAL (RAT) IS NOT KNOWN.

Skin: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: SKIN CONTACT: SIMILAR MATERIALS ARE NOT CLASSIFIED AS SKIN IRRITANTS. THE SKIN IRRITATION SCORE FOR THIS SUBSTANCE HAS NOT BEEN DE

TERMINED. EYE CONTACT: SIMILAR MATERIALS ARE NOT CLASSIFIED AS EYE IRRITANTS. THE EYE IRRITATION SCORE FOR THIS SUBSTANCE HAS NOT BEEN DETERMINED. INHALATION: INHALATION OF MIST MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM. INGESTION: MAY BE HARMFUL IF SWALLOWED IN LARGE QUANTITIES. CHRONIC EFFECTS: NONE KNOWN. \*\*NO EFFECTS OF CHRONIC EXPOSURE OR TARGET ORGAN EFFECTS ARE KNOWN. NO EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THIS PRODUCT.

Explanation Of Carcinogenicity: NO CARCINOGENICITY, MUTAGENICITY, OR TERATOGENICITY ARE KNOWN.

Signs And Symptoms Of Overexposure: SKIN/EYE: IRRITATION. INHALATION: IRRITATION OF THE RESPIRATORY SYSTEM.

First Aid: SKIN-WASH AFFECTED AREA WITH SOAP & WATER. EYE-IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR 15 MINS. DO NOT LET VICTIM RUB EYES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION-IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY,

MOUTH TO MOUTH. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION-DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS & ABLE TO SWALLOW, PROMPTLY DRINK WATER TO DILUTE. DO NOT GIVE SODIUM BICARBONATE, FRUIT JUICE, VINEGAR. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS OR HAVING CONVULSION. CALL PHYSICIAN/POISON CONTROL IMMEDIATELY.

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Handling and Disposal  
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Spill Release

Procedures: 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.

Waste Disposal Methods: 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.

Handling And Storage Precautions: SAFETY GLASSES WITH SIDE SHIELDS. RUBBER GLOVES. IF EXPOSED TO AEROSOL OR MIST, WEAR NIOSH APPROVED CATEGORY 23C RESPIRATOR, EXCLUDING SINGLE USE OR DISPOSABLE RESPIRATORS IN ACCORDANCE WITH 30 CFR 11.1(1).

Other Precautions: 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

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Fire and Explosion Hazard Information  
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Flash Point Method: PMCC

Flash Point: =170.C, 338.F

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER SPRAY.

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 SP

RAY TO

DISPER SE THE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM FIRES.

Unusual Fire/Explosion Hazard: PERFORM ONLY THOSE FIRE FIGHTING PROCEDURES FOR WHICH YOU HAVE BEEN TRAINED. FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATING APPARATUS IN THE POSITIVE PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPSORUE TO SMOKE, FUMES OR HAZARDOUS DECOMPOSITION PRODUCTS.

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Control Measures  
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Respiratory Protection: IF EXPOSED TO AEROSOL/MIST, WEAR NIOSH APPROVE CATEGORY 23C RESPIRATOR, EXCLUDING SINGLE USE OR DISPOSABLE RESPIRATORS IN ACCORDANCE WITH 30CFR11(I). THE RESPIRATOR SHALL BE EQUIPPED WITH COMBINATION CARTRIDGES APPROVED FOR PAINTS, ENAMELS, & LACQUERS UNLESS AIR-SUPPLIED RESPIRATOR IS SELECTED. USE OF RESPIRATOR SHALL BE ACCORDING TO 29CFR 1910.134/30CFR11.

Ventilation: LOCAL EXHAUST.

Protective Gloves: RUBBER GLOVE

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Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: NONE SPECIFIED BY MANUFACTURER.

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Physical/Chemical Properties  
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HCC: V5

B.P. Text: N/D

M.P/F.P Text: N/D

Vapor Pres: N/D

Vapor Density: N/D

Spec Gravity: 0.885

PH: N/D

Evaporation Rate &am

p; Reference: N/D

Solubility in Water: INSOLUBLE

Appearance and Odor: DARK COLORED LIQUID; PUNGENT ODOR

Percent Volatiles by Volume: N/D @ 70F

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: AVOID CONTACT WITH HEAT, SPARKS, FLAMES AND ALL SOURCE OF IGNITION.

Materials To Avoid: STRONG ACIDE, BASES, AND OXIDIZING AGENTS.

Hazardous Decomposition Products: MAY PRODUCE OXIDES OF CARBON, NITROGEN, SULFUR AND PHOSPHORUS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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

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

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MSDS Transport Information  
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Transport Information: PROPER SHIPPING NAME: NOT REGULATED FOR NONBULK HIGHWAY/TRANSPORTATION.

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Regulatory Information  
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Sara Title III Information: SARA 311/312 HAZARD CATEGORIES: NONE. SARA 313 TOXIC CHEMICALS: NONE. SARA 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE.

Federal Regulatory Information: TSCA INVENTORY STATUS: THIS PRODUCT AND/OR ALL OF ITS COMPONENTS ARE INCLUDED ON THE TSCA INVENTORY OR CHEMICAL SUBSTANCES. TSCA 12(B) COMPONENTS: NONE. CERCLA HAZARDOUS SUBSTANCES

: BETA NAPHYTHYLAMIN

E(91598) &lt;0.0001%.

State Regulatory Information: WARNING: THIS PRODUCT CONTAINS A CHEMICAL (OR CHEMICALS) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND/OR OTHER REPRODUCTIVE HARM. BETAL NAPHTHYLAMINE(91598) &lt;0.0001%.

Other Information

Other Information: RATINGS: HEALTH: 1; FLAMMABILITY: 1; REACTIVITY: 0. NFPA RATINGS: HEALTH: 1; FLAMMABILITY: 1; REACTIVITY: 0; OTHER: NONE.

Transportation Information

Responsible Party Cage: TO539  
Trans ID NO: 151861  
Product ID: EMGARD 2984-D EP 75W-90 SYNTHETIC GEAR LUBRICANTS  
MSDS Prepared Date: 01/02/2000  
Review Date: 03/10/2000  
MFN: 1  
Net Unit Weight: 2 LBS  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: QT  
Container QTY: G  
Type Of Container: CAN

Detail DOT Information

DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail IMO Information

IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

Detail IATA Information

IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Detail AFI Information

AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

HAZCOM Label

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Product ID: EMGARD 2984-D EP 75W-90 SYNTHETIC GEAR LUBRICANTS

Cage: TO539

Assigned IND: Y

Company Name: COGNIC CORPORATION

Street: 5051 ESTECREEK DRIVE

City: CINCINNATI OH

Zipcode: 45232

Health Emergency Phone: 800-643-7370

Label Required IND: Y

Date Of Label Review: 03/10/2000

Status Code: A

MFG Label NO: NO

Year Procured: 2000

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: S

light

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: SKIN CONTACT: SIMILAR MATERIALS ARE NOT CLASSIFIED AS SKIN IRRITANTS. THE SKIN IRRITATION SCORE FOR THIS SUBSTANCE HAS NOT BEEN DETERMINED. EYE CONTACT: SIMILAR MATERIALS ARE NOT CLASSIFIED AS EYE IRRITANTS. THE EYE IRRITATION SCORE FOR THIS SUBSTANCE HAS NOT BEEN DETERMINED. INHALATION: INHALATION OF MIST MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM. INGESTION: MAY BE HARMFUL IF SWALLOWED IN LARGE QUANTITIES. CHRONIC EFFECTS: NONE KNOWN. \*\*NO EFFECTS OF CHRONIC EXPOSURE OR TARGET ORGAN EFFECTS ARE KNOWN. NO EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THIS PRODUCT.

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particular situation regardless of similarity to a corresponding Department of Defense or other government situation.