

COGNIS CORPORATION -- EMGARD 2810-A ARTIC 0W30 ENGINE OIL

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MSDS Safety Information
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FSC: 9150
NIIN: 00-402-2372
MSDS Date: 05/01/2000
MSDS Num: CKYXV
Product ID: EMGARD 2810-A ARTIC 0W30 ENGINE OIL
MFN: 02
Responsible Party
Cage: TO539
Name: COGNIS CORPORATION
Address: 5051 ESTECREEK DRIVE
City: CINCI
NNATI OH 45232
Info Phone Number: 800-543-7370/FAX: 513-482-5515
Emergency Phone Number: 800-543-7370

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Item Description Information
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Item Manager: S9G
Item Name: LUBRICATING OIL,ENGINE
Specification Number: MIL-L-46167
Type/Grade/Class: NONE
Unit of Issue: CN
Quantitative Expression: 00000000005GL
UI Container Qty: 0
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: NO DATA PROVIDED BY MANUFACTURER
Route Of Entry Inds - Inhalation: NO
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: SKIN: SIMILAR MATERIALS ARE NOT CLASSIFIED AS SKI

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IRRITANTS. THE SKIN IRRITATION SCORE FOR THIS SUBSTANCE HAS NOT BEEN DETERMINED. EYE: 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: SIMILAR MATERIALS ARE NOT CONSIDERED TOXIC. CHRONIC: 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: INHALATION OF MIST MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM.

Medical Cond Aggravated By Exposure: NO DATA PROVIDED BY MANUFACTURER.

First Aid: SKIN: WASH AFFECTED AREA WITH SOAP AND WATER. EYE: 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. IN

HALATION: IMMEDIATELY

REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY, MOUTH TO MOUTH. GET MEDICAL ATTENTION IMMEDIATELY. INGESTION. CALL A PHYSICIAN OR POISON CONTROL CENTER 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.

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER.

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: NO SPECIAL PRECAUTIONS NECESSARY. AVOID CONTAINER DAMAGE WHILE HANDLING AND STORING.

Other Precautions: NO DATA PROVIDED BY MANUFACTURER.

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Fire and Explosion Hazard Information
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Flash Point Method: COC

Flash Point: =104.4C, 220.F

Autoignition Temp Text: N/D

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 SPRAY TO DISPERSE THE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE.

Unusual Fire/Explosion Hazard: 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.

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Control Measures
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Ventilation: GENERAL VENTILATION

Protective Gloves: RUBBER GLOVES

Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equipment: NO DATA PROVIDED BY MANUFACTURER.

Work Hygienic Practices: NO DATA PROVIDED BY MANUFACTURER.

Supplemental Safety and Health: NO DATA PROVIDED BY MANUFACTURER
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Physical/Chemical Properties
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HCC: V6

B.P. Text: NOT DETERMINED

M.P/F.P Text: NOT DETERMINED

Vapor Pres: NOT DETERMINED

Vapor Density: N/D

Spec Gravity: 0.888

PH: NOT DETERMINED

Evaporation Rate & Reference: NOT DETERMINED

Solubility in Water: INSOLUBLE

Appearance and Odor: AMBER LIQUID, MILD ESTER ODOR
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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: NORMALLY STABLE. AVOID CONTACT WITH HEAT, SPARKS, FLAME AND ALL SOURCES OF IGNITION

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

Hazardous Decomposition Products: DECOMPOSITION PRODUCES CARBON MONOXIDE AND CARBON DIOXIDE

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. ANY HEALTH TOXICOLOGICAL INFORMATION INCLUDED THE
ACUTE/CHRONIC 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: ENVIRONMENTAL TOXICITY:
NOT DETERMINED. ENVIRONMENTAL FATE: NOT
DETERMINED.
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MSDS Transport Information

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Regulatory Information

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

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

State Regulatory Information: CALIFORNIA PROPOSITION 65 COMPONENTS: NONE.
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Other Information

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Other Information: RATINGS: HEALTH-1, FLAMMABILITY-1, REACTIVITY-0. NFPA
RATINGS: HEALTH-1, FLAMMABILITY-1,
REACTIVITY-0, OTHER-NONE.
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Transportation Information

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Responsible Party Code: TO539
Trans ID NO: 156059
Product ID: EMGARD 2810-A ARTIC 0W30 ENGINE OIL
MSDS Prepared Date: 05/01/2000
Review Date: 02/22/2001
MFN: 2
Net Unit Weight: 37 LBS
Multiple KIT Number: 0
Unit Of Issue: CN
Container QTY: 0
Type Of Container: CAN
Additional Data: NOT REGULATED FOR SHIPPING PER MSDS.
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Detail DOT Information
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DOT PSN Code: ZZZ

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

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail I

ATA Information
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IATA PSN Code: ZZZ

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

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: EMGARD 2810-A ARTIC 0W30 ENGINE OIL

Cage: TO539

Assigned IND: Y

Company Name: COGNIC CORPORATION

Street: 5051 ESTECREEK DRIVE

City: CINCINNATI OH

Zipcode: 45232

Health Emergency Phone: 800-543-7370

Label Required IND: Y

Date Of Label Review: 02/22/2001

Status Code: A

Year Procured: 2001

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: COMBUSTIBLE! TARGET ORGANS: N/P. HEALTH HAZARDS:
NON-HAZARDOUS UNDER NORMAL CONDITIONS OF USE. FIRST AID: SKIN: WASH AFFECTED
AREA WITH SOAP AND WATER. EYE: 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. INHALATION: IMMEDIATELY REMOVE VICTIM TO
FRESH AIR. IF VICTIM HAS STOPPED BREATHING, GIVE ARTIF ICIAL RESPIRATION,
PREFERABLY, MOUTH
TO MOUTH. GET MEDICAL ATTENTION IMMEDIATELY. INGESTION.
CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

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esponding Department
of Defense or other government situation.