

EQUILON ENTERPRISES LLC, PRODUCT STEWARDSHIP -- AEROSHELL(R) GREASE 17
(MIL-G-21164; MIL-G-21164D) -- 9150-00-935-4018

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Product Identification
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Product ID:AEROSHELL(R) GREASE 17 (MIL-G-21164; MIL-G-21164D)
MSDS Date:01/04/1999
FSC:9150
NIIN:00-935-4018
Status Code:A
MSDS Number: CKPNJ
=== Responsible Party ===
Company Name:EQUILON ENTERPRISES LLC, PRODUCT STEWARDSHIP
Box:674414
City:HOU
STON
State:TX
ZIP:77267-4414
Country:US
Info Phone Num:877-276-7285
Emergency Phone Num:877-276-7283
Resp. Party Other MSDS Num.:EQUILON: 56220E-05 - SHELL CODE: 70017
Preparer's Name:KAREN G. HAYNES
Chemtrec Ind/Phone:(800)424-9300
CAGE:TO300

==== Contractor Identification ====

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT
Address:2275 TUCKER INDUSTRIAL RD
Box:City:TUCKER
State:GA
ZIP:30084
Country:US
Phone:770-938-4513/FAX 770-938-3966
Contract Num:SP0450-00-M-C494
CAGE:1MDA6
Company Name:E
QUILON ENTERPRISES LLC, PRODUCT STEWARDSHIP
Address:Box:674414
City:HOUSTON
State:TX
ZIP:77267-4414
Country:US
Phone:877-276-7285
CAGE:TO300
Company Name:SHELL OIL (800-535-2104)
Address:309 JEFFERSON HWY
Box:UNKNOW
City:NEW ORLEANS
State:LA
ZIP:70121
Country:US
Phone:800-535-2104
CAGE:4Y429

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Composition/Information on Ingredients
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Ingred Name:SYNTHETIC ESTER OR AZELAIC ACID DI(2-ETHYLHEXYL) ESTER
CAS:103-24-2

FIDE
CAS:1317-33-5
RTECS #:QA4697000
= Wt:5.

Ingred Name:INORGANIC CLAY OR BENTONITE
CAS:1302-78-9
RTECS #:CT9450000
= Wt:6.

Ingred Name:FATTY ACID AMIDES OR FATTY ACIDS, TALL-OIL, REACTION
PRODUCTS WITH POLYETHYLENEPOLYAMINES
CAS:68910-93-0
= Wt:3.

Ingred Name:OTHER COMPONENTS
= Wt:4.

===== Hazards Identification =====

LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and
Chronic:EYE: MAY BE MILDLY IRRITATING TO THE
EYES. INHALATION: NO SPECIFIC INFORMATION IDENTIFIED. INGESTION: NO
SPECIFIC INFORMATION IDENTIFIED. SKIN: PROLONGED OR REPEATED
CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS,
FOLLICULITIS OR OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY
RESULT IN INJECTION OF GREASE INTO THE SKIN CAUSING LOCAL NECROSIS.
Explanation of Carcinogenicity:THIS PRODUCT AND ITS COMPONENTS ARE NOT
CLASSIFIED AS CARCINOGENS BY IARC,
NTP OR OSHA.
Effects of Overexposure:IRRITATION AS NOTED IN HEALTH HAZARD SECTION.
LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN & TISSUE
DAMAGE A FEW HOURS FOLLOWING INJECTION.
Medical Cond Aggravated by Exposure:PREEXISTING SKIN DISORDERS MAY BE
AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

===== First Aid Measures =====

First Aid:EYE: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAM

CONTAMINATED CLOTHING &

WIPE EXCESS OFF. WASH WITH SOAP & WATER OR A WATERLESS HAND CLEANER FOLLOWED BY SOAP & WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE. DO NOT WAIT FOR SYMPTOMS TO DEVELOP. INHALATION: REMOVE VICTIM TO FRESH AIR & PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT

INDUCE VOMITING (SUPPL)

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===== Fire Fighting Measures =====

Flash Point Method:PMCC
Flash Point:>204.4C, 400.F
(SYNTH. ESTER)
Lower Limits:N/AV
Upper Limits:N/AV

Extinguishing Media:USE WATER FOG, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & CAN BE REIGNITED ON SURFACE OF WATER.

Fire Fighting Procedures:DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF CONTAINED

BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS SURROUNDING EQUIPMENT & STRUCTURES WITH WATER.

Unusual Fire/Explosion Hazard:NONE IDENTIFIED.

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===== Accidental Release Measures =====

Spill Release Procedures:SCOOP UP EXCESS GREASE. CLEAN AREA WITH APPROPRIATE CLEANER. MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES & RUBBER BOOTS), INCLUDING A POS

ITIVE-PRESSURE NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES & HIGH TEMPERATURES.

Other Precautions:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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===== Exposure Controls/Personal Protection =====

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Respiratory Protection:NOT ORDINARILY REQUIRED.
Ventilation:NO DATA PROVIDED BY RESPONSIBLE PARTY.
Protective Gloves:OIL RESISTANT.
Eye Protection:NO DATA PROVIDED BY RESPONSIBLE PARTY.
Other Protective Equipment:CLOTHING AS NEEDED TO MINIMIZE SKIN CONTACT
Work Hygienic Practices:MINIMIZE SKIN CONTACT. WASH WITH SOAP & WATER
BEFORE EATING, DRINKING, SMOKING OR USING TIOLET FACILITIES.
LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF
CONTAMINATED LEATHER ARTICL
ES.
Supplemental Safety and Health
1ST AID CONT: IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE
QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

===== Physical/Chemical Properties =====

HCC:V5
Boiling Pt:B.P. Text:NOT AVAILABLE
Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE
Vapor Pres:NOT AVAILABLE
Spec Gravity:NOT AVAILABLE
pH:NONE PROVIDED
Evaporation Rate & Reference:NOT AVAILABLE
Solubility in Water:INSOLUBLE
Appearance and Odor:DARK GREY,
SMOOTH, SLIGHT ODOR

===== Stability and Reactivity Data =====

STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:AVOID HEAT, OPEN FLAME.
Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,
LIQUID, PARTICULATES & GASES WILL EVOLVE WHEN THIS MATERIAL
UNDERGOES PYROLYSIS. CARBON MONOXIDE & UNIDENTIFIED ORGANIC
COMPOUNDS MAY BE FORMED UPON COMBUSTION.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological I

nformation =====

Toxicological Information: THIS SPECIFIC PRODUCT HAS NOT BEEN TESTED IN LONG-TERM, CHRONIC EXPOSURE TESTS. LUBRICATING GREASES ARE GENERALLY CONSIDERED TO BE OF A LOW ORDER OF ACUTE TOXICITY TO HUMANS AND EXPERIMENTAL ANIMALS. HOWEVER, THE HANDLING PROCEDURES AND SAFETY PRECAUTIONS IN THIS MSDS SHOULD BE FOLLOWED TO MINIMIZE EMPLOYEE'S EXPOSURE.

===== Ecological Information =====

Ecological: NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Disposal Considerations =====

Waste Disposal Methods: IF THIS PRODUCT BECOMES A WASTE, IT WOULD NOT BE A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information: NOT HAZARDOUS BY DOT REGULATIONS. DOT PROPER SHIPPING NAME: NOT APPLICABLE. OTHER REQUIREMENTS: NOT APPLICABLE.

THIS PRODUCT IS AN OIL UNDER 40 CFR (DOT) PART 130. IF SHIPPED BY RAIL OR HIGHWAY AS A TANK WITH A CAPACITY OF 3,500 GALONS OR MORE, IT IS SUBJECT TO THE REQUIREMENTS OF PART 130. MIXTURE SOLUTIONS IN WHICH THIS PRODUCT IS PRESENT AT 10% OR MORE MAY ALSO BE SUBJECT TO THIS RULE.

===== Regulatory Information =====

SARA Title III Information: BASED ON THE DATA AVAILABLE THIS PRODUCT IS NOT REGULATED BY SARA, TITLE III.

Federal R

egulatory Information: THIS PRODUCT IS COVERED BY EPA'S COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) PETROLEUM EXCLUSION. THEREFORE, RELEASES TO AIR, LAND OR WATER ARE NOT REPORTABLE UNDER CERCLA ("SUPERFUND"). HOWEVER, UNDER SECTION 311 OF EPA'S CLEAN WATER ACT (CWA), THIS PRODUCT IS CONSIDERED AN OIL, AS SUCH, SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802. T

SCA: THE COMPONENTS OF THIS PRODUCT

ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES

State Regulatory Information: THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES, OTHER PRODUCT SPECIFIC HEALTH AND SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLICABLE FOR STATE REQUIREMENTS. FOR DETAILS ON YOUR REGULATORY REQUIREMENTS YOU SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE. STATE LISTED COMPONENT: MOLYBDENUM DISULFIDE, CAS#

1317-33-5, 5%-CALIFORNIA HAZARDOUS SUBSTANCE LIST.

===== Other Information =====

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