

EQUILON ENTERPRISES LLC; PRODUCT STEWARDSHIP -- 70149, AEROSHELL GREASE 7
(MIL-G-23827; MIL-G-23827B) -- 9150-00-985-7244

===== Product Identification =====

Product ID:70149, AEROSHELL GREASE 7 (MIL-G-23827; MIL-G-23827B)

MSDS Date:01/04/1999

FSC:9150

NIIN:00-985-7244

MSDS Number: CKSQT

=== Responsible Party ===

Company Name:EQUILON ENTERPRISES LLC; PRODUCT STEWARDSHIP

Box:674414

City:HOUSTON

Sta

te:TX

ZIP:77267-4414

Country:US

Info Phone Num:877-276-7285

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:EQUILON MSDS: 56170E-08

Preparer's Name:KAREN G. HAYNES

Chemtrec Ind/Phone:(800)424-9300

CAGE:TO173

=== 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-C845

CAGE:1MDA6

Company Name:EQUILON ENTERPRISES LLC;
PRODUCT STEWARDSHIP (DIV SHELL)

Address:Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

CAGE:TO173

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-01-M-C803

CAGE:0PGK2

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

tion/Information on Ingredients =====

Ingred Name:SYNTHETIC ESTER
CAS:103-24-2
RTECS #:CM2000000
Minumum % Wt:80.
Maxumum % Wt:85.
Other REC Limits:NOT PROVIDED

Ingred Name:INORGANIC CLAY
CAS:1302-78-9
RTECS #:CT9450000
Minumum % Wt:5.
Maxumum % Wt:10.
Other REC Limits:NOT PROVIDED

Ingred Name:FATTY ACID AMIDES
Minumum % Wt:3.
Maxumum % Wt:5.
Other REC Limits:NOT PROVIDED

Ingred Name:PHENYL-ALPHA-NAPHTHYLAMINE
CAS:90-30-2
RTECS #:QM4500000
Minumum % Wt:1.
Maxumum % Wt:2.
Other REC L
imits:NOT PROVIDED

Ingred Name:ADDITIVES
Minumum % Wt:1.
Maxumum % Wt:2.
Other REC Limits:NOT PROVIDED

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

LD50 LC50 Mixture:ACUTE ORAL,RAT LD50: 6-12 G/KG.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT: MAY BE MILDLY IRRITATING
TO THE EYES. SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE
VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULTIS OR OIL ACNE.
THIS

PRODUCT IS A MILD SKIN SENSITIZER BASED ON ANIMAL STUDIES.

RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF GREASE INTO THE SKIN CAUSING LOCAL NECROSIS. INHALATION: NOT EXPECTED TO BE A RELEVANT ROUTE OF EXPOSURE. HOWEVER, HIGH VAPOR OR AEROSOL MIST CONCENTRATIONS MAY BE IRRITATION TO THE NOSE, THROAT AND UPPER RESPIRATORY TRACT. INGESTION: LUBRICATING (OILS/GREASES) ARE GENERALLY CONSIDERED NO MORE THAN SLIGHTLY TOXIC IF SWALLOWED.

Explanation of Ca

rcinogenicity:THIS PRODUCT AND ITS COMPONENTS ARE NOT CLASSIFIED AS CARCINOGENS BY IARC, NTP, OR OSHA.

Effects of Overexposure:EYES: IRRITATION. SKIN: DERMATITIS, FOLLICULITIS, OIL ACNE, SENSITIZATION, LOCAL NECROSIS. SKIN SENSITIZATION (ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION. INHALATION: NOSE, THROAT, AND UPPER RESPIRATORY TRACT IRRITATION. INGESTION:

CONSIDERED NO MORE THAN SLIGHTLY TOXIC.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES; HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING, WIPE EXCESS OFF. WASH WITH SOAP AND WATER OR WATERLESS HAND CLEANER FOLLOWED BY SOAP AND WATER. DO NOT REUSE CLOTH

ING

UNTIL CLEANED. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF MATERIAL INJECTED UNDER SKIN, GET MEDICAL ATTENTION PROMPTLY; DO NOT WAIT FOR SYMPTOMS TO DEVELOP. INHALATION: MOVE TO FRESH AIR. PROVIDE OXYGEN IF BREATHING DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. NO TREATMENT NECESSARY FOR SMALL AMOUNTS. GET MEDICAL ADVICE.

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

Flash Point Method:PMCC

Flash Point:215.6C,

420.F
SYNTHETIC ESTER

Lower Limits:N/AV

Upper Limits:N/AV

Extinguishing Media:USE WATER FOG, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STEAM OF WATER. PRODUCT WILL FLOAT AND CAN 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 AND STRUCTURES WITH WATER.

Unusual Fire/Explosion Hazard:NONE IDENTIFIED.

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

Spill Release Procedures:SCOOP UP EXCESS GREASE. CLEAN AREA WITH APPROPRIATE CLEANER.

Neutralizing Agent:NOT RELEVANT

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

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

Other Precautions:MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING,

DRINKING, SMOKING OR USING TOILET FACILITIES.

LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

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

Respiratory Protection:NOT ORDINARILY REQUIRED.

Ventilation:NOT PROVIDED

Protective Gloves:WEAR OIL RESISTANT GLOVES TO MINIMIZE SKIN CONTACT.

Eye Protection:NOT PROVIDED

Other Protective Equipment:USE OIL RESISTANT GLOVES AND OTHER CLOTHING

AS NEEDED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

THIS SPECIFIC PRODUCT HAS NOT BEEN TESTED IN LONG-TERM, CHRONIC 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.

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

ies =====

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT AVAILABLE

Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT AVAILABLE

Vapor Density:N/AV

Spec Gravity:NOT AVAILABLE

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT AVAILABLE

Solubility in Water:INSOLUBLE.

Appearance and Odor:BUFF COLORED, SMOOTH, BUTTERY GREASE, SLIGHT ODOR.

Percent Volatiles by Volume:N/AV

Corrosion Rate:NOT PROVIDED

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Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT,OPEN FLAME AND CONTACT WITH
STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,
LIQUID PARTICULATES, GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES
PYROLYSIS OR COMBUSTION. CARBON MONOXIDE AND UNIDENTIFIED ORGANIC
COMPOUNDS MAY BE FORMED.

===== Toxicological Informa
tion =====

Toxicological Information:ACUTE TOXICITY DATA: PRODUCT,ORAL LD50: NOT
AVAILABLE. INGREDIENT, SYNTHETIC ESTER (80-85%), RAT, ORAL, LD50:
6-12 G/KG; ACUTE DERMAL, GUINEA PIG, LD50: >9G/KG. THIS PRODUCT AND
ITS COMPONENTS ARE NOT CLASSIFIED AS CARCINOGENS BY INTERNATIONAL
AGENCY FOR RESEARCH ON CANCER (IARC), NATIONAL TOXICOLOGY PROGRAM
(NTP) OR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). NO
OSHA/ PEL OR ACGIH/ TLV HAS BEEN ESTABLISHED.

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

Ecological:PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611
OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS
PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WTH ANY
CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES. THIS PRODUCT IS
COVERED BY EPA'S CERCLA. THEREFORE, RELEASES TO AIR, LAND, OR WATER
ARE NOT REPORTABLE UNDER CERCLA ("SUPERFUND"). HOWEVER, UNDER
SECTIO

N 311 O F 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.

===== 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.

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

Transport Information:DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS.

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

SARA Title III Information:BASED ON THE DATA AVAILABLE THIS PRODUCT IS NOT REGULATED BY SARA, TITLE III. IN ACCORDANCE WITH SARA TITLE I I, SECTION 313, THE MANUFACTURER'S ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIE D AND SENT WITH THE MSDS.

Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES. PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.THIS PRODUCT IS COVERED BY EPA'S CERCLA PETROLEUM EXCLUSION. UNDER S ECTION 311 OF EPA'S CWA, THI

S PRODUCT IS CONSIDERED AN OIL. AS SUCH, SPILLS INTO OR LEADING TO SURFA CE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

State Regulatory Information:BASED ON INFORMATION AVAILABLE, THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBSTANCE LISTED ON A CHEMICAL SPECIFIC STATE LIST.

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

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