

SHELL OIL COMPANY -- AEROSHELL GREASE 17,70017 -- 9150-00-754-2595

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Product Identification
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Product ID:AEROSHELL GREASE 17,70017

MSDS Date:03/06/1991

FSC:9150

NIIN:00-754-2595

MSDS Number: BFNMC

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:HEALTH, SAFETY AND ENVIRONMENT

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819/4141/2252 FAX -651

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Emergency Phone Num:713-473-9461/800-424-9300(CHEMTREC)

Preparer's Name:J.C. WILLETT

CAGE:54527

=== Contractor Identification ===

Company Name:ACCUMETRIC INC

Address:350 RING RD

Box:843

City:ELIZABETHTOWN

State:KY

ZIP:42701

Country:US

Phone:502-769-3385

CAGE:58149

Company Name:EQUILON ENTERPRISES LLC PRODUCT STEWARDSHIP

Address:1111 BAGBY RD RM 4325D

Box:674414

City:HOUSTON

State:TX

ZIP:77267-4414

Country:US

Phone:877-276-7285

CAGE:3N254

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:SP0450-98-M-CM73
CAGE:0PGK2
Company Name:SHELL OIL COMPANY
Address:Box:2463
City:HOUSTON
State:TX
ZIP:77210
Country:US
Phone:800-231-6950
CAGE:54527

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Composition/Information on Ingredients
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Ingred Name:AZELAIC ACID, BIS(2-ETHYLHEXYL) ESTER/SYNTHETIC ESTER
CAS:103-24-2
RTECS #:CM2000000
= Wt:82.
Other REC Limits:NONE RECOMMENDED

Ingred Name:BENTONITE/INORGANIC CLAY
CAS:1302-78-9

RTECS #:CT9450000
= Wt:6.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 (DUST)
ACGIH TLV:5 MG/M3 (DUST)

Ingred Name:MOLYBDENUM DISULFIDE
CAS:1317-33-5
RTECS #:QA4697000
= Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG MO/M3
ACGIH TLV:10 MG MO/M3

Ingred Name:FATTY ACID AMIDES
CAS:68910-93-0
= Wt:3.
Other REC Limits:NONE RECOMMENDED

Ingred Name:OTHER COMPONENTS
= Wt:4.
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC5

0 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE-MAY BE IRRITATING TO THE EYS.

SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIES OR OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF GREASE INTO THE SKIN CAUSINGLOCAL NECROSIS.

Explanation of Carcinogenicity:THIS PRODUCT AND ITS COMPONENTS ARE NOT

CLASSIFIED AS CARCINOGENIC BY IARC, NTP OR OSHA. THIS SPECIFIC PRODUCT HAS NOT BEEN TESTED IN LONG-TERM, CHRONIC EXPOSURE TESTS.

Effects of Overexposure:IRRITATION AS NOTED ABOVE. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

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

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===== First Aid Measures =====
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First Aid:EYE-FLUSH WITH WATER FOR 15 MIN. HOLD EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHES & WIPE EXCESS OFF. WASH WITH SOAP & WATER OR A WATERLESS HAND CLEANER FOLLOWED BY SOAP AND WATER. 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 BREAT

HING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION-DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NEEDED UNLESS LARGE QUANTITIES ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

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===== Fire Fighting Measures =====
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Flash Point Method:PMCC

Flash Point:>204.C, 399.2F

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL/CARBON DIOXIDE. DON'T USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

Fire Fighting Procedur

es:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA
WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS
SURROUNDING EQUIPMENT AND STRUCTURE WITH WATER.

Unusual Fire/Explosion Hazard:NONE

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

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

Neutralizing Agent:NOT RELEVANT

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

Other Precautions:DO NOT GET IN EYES. MINIMIZE SKIN CONTACT. WASH
THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE
REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES INCLUDING
SHOES THAT CANNOT BE DECONTAMINATED.

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

Respiratory Prot
ection:NOT ORDINARILY REQUIRED.

Ventilation:.

Protective Gloves:OIL RESISTANT GLOVES.

Eye Protection:.

Other Protective Equipment:USE OIL RESISTANT GLOVES AND OTHER CLOTHING
AS NEEDED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR
FOOTWEAR.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH
VISCOSITY, LOW VOLATILITY PRODUCT
S, I.E. MOST OILS AND GREASES.

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

HCC:V6

NRC/State Lic Num:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:DARK GREY, SMOOTH GREASE - SLIGHT ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:EXCESSIVE HEAT, OPEN FLAME

Hazardous Decomposition Products:A COMPLEX MIXTURE OF AIRBORNE SOLID,
LIQU

ID, PARTICULATES & GASES WILL EVOVLE. CARBON MONOXIDE & OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. THIS PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS AND DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN ITS PURCHASED FORM. THIS PRODUCT IS CONSIDERED AN OIL

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

Transport Information:NOT HAZARDOUS BY D.O.T. REGULATIONS.

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

SARA Title III Information:IN ACCORDANCE WITH SARA TITLE 111, SECTION 313, THE ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS. THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY O F CHEMICALS SUBSTANCE. PROTECTION OF STRATOSPHERIC OZONE: THIS PRO DUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURERED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

Federal Regulatory Information:EPA-CLEAN WATER ACT (CWA). THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING (A) SURFACE WATERS OR (B) ANY WATERCOURSES OR SEWERS ENTERING/LEAVING TO SURF ACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

State Regulatory Information:THE FOL LOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STAES: OTHER SPECIFIC HEALTH AND SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLCABLE FOR STATE REQUIREMENTS. FOR DETAILS ON YO UR REGULATORY REQUIREMENTS YOU SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE. MOLYBDENUM DISULFIDE IS LISTED ON CALIFORNIA'S HAZARDOUS SUBSTANCE LIST.

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

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