SHELL OIL COMPANY -- DARINA GREASE AX, 70330 -- 9150-00N017193

================== Product Identification =================
Product ID: DARINA GREASE AX, 70330
MSDS Date: 08/07/1989
FSC: 9150
NIIN: 00N017193
MSDS Number: BLCDF

=== Responsible Party ===
Company Name: SHELL OIL COMPANY
Box: 4320
City: HOUSTON
State: TX
ZIP: 77210
Country: US
Info Phone Num: 713-241-4819
Emergency Phone Num: 713-473-9461 800-424-9300 (CHEMTREC)
CAGE: 54572

=== Contractor Identification ===
Company Name: SHELL OIL COMPANY
Box: City: HOUSTON
State: TX
ZIP: 77210
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Phone: 713-241-4819
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============= Composition/Information on Ingredients =============

Ingred Name: BENTONITE (INORGANIC CLAY)
CAS: 1302-78-9
RTECS #: CT9450000
Fraction by Wt: 5%

Ingred Name: FATTY ACID AMIDES
CAS: 68910-93-0
Fraction by Wt: 4%

Ingred Name: SODIUM NITRITE (SARA III)
CAS: 7632-00-0
RTECS #: RA1225000
Fraction by Wt: <1%
EPA Rpt Qty: 100 LBS
DOT Rpt Qty: 100 LBS

Ingred Name: OTHER COMPONENTS
Fraction by Wt: <0.1%

Ingred Name: SUPP DATA: TO FRESH AIR & PROVIDE O2 IF BRTHG IS DIFFICULT.
GET MD ATTN. INGEST: DO NOT INDUCE VOMIT. IN GEN, (SEE ING 8)
RTECS #: 9999999ZZ

Ingred Name: INGRED 7: NO TREATMENT IS NEC UNLESS LRG QTYS OF PROD ARE
INGESTED. HOWEVER, GET MED ADVICE. NOTE TO PHYS: IN (SEE ING 9)
INGRED 8: GEN, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PROD. I.E.. MOST OILS & GREASES.

NORMAL USE OF THIS PRODUCT SHOULD NOT RESULT IN OVEREXPOSURE TO ING 05, SODIUM NITRATE. HOWEVER, IN CASE (ING 11)

OF ACCIDENTAL INGESTION, SODIUM NITRATE MAY ALTER THE BLOOD (HEMOGLOBIN) TO REDUCE OXYGEN CARRYING CAPACITY.

CYANOSIS (BLUISH SKIN), SHORTNESS OF BREATH, PALPITATIONS, COMA AND/OR DEATH MAY OCCUR.

MINERAL OIL, PETROLEUM DISTILLATES, HYDRO TREATED HEAVY NAPHTHENIC; (HYDROTREATED HEAVY NAPHTHENIC DISTILLATE, PETROLEUM)

CAS: 64742-52-5
RTCS #: PY8035000
Fraction by Wt: 65%
OSHA PEL: 300 PPM; 500 PPM STEL
ACGIH TLV: 300 PPM; 500 PPM STEL

RESIDUAL OILS, HYDROTREATED
CAS: 64742-57-0
Fraction by Wt: 25%
OSHA PEL: 5 MG/M3 (OIL MIST)
ACGIH TLV: 5 MG/M3 (OIL MIST)

Hazards Identification

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation: NO Skin: YES Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: YES OSHA: NO
Health Hazards Acute and Chronic: EYE: MAY BE MILDLY IRRIT TO EYES.
SKIN: PRLED/RPTD CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERM, FOLLICULITIS/OIL ACNE. RELS DURING HIGH PRESS USAGE MAY RSLT IN INJECTION OF OIL INTO SKIN CA USING LOCAL NECROSIS. INHAL: NO SPECIFIC INFORMATION IDENTIFIED. INGEST: NO SPECIFIC INFORMATION (SEE EFTS OF OVEREXP)
Explanation of Carcinogenicity: MINERAL OIL CAS # 64742-52-5 LISTED IN RTCS AS IARC GROUP 1.

Effects of Overexposure: HLTH HAZ: IDENTIFIED. SIGNS AND SYMPTOMS: IRRIT AS NOTED ABOVE. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE. OTHER HLTH EFTS: THIS SPECIFIC PROD HAS NOT BEEN TESTED IN LONG-TERM, CHRONIC EXPOS TESTS. LUBRICATING GREASES ARE GEN CONSIDERED TO BE OF LOW ORDER OF ACUTE TOXICITY (SEE SUPP DATA)
Medical Cond Aggravated by Exposure: PREEXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOS TO PROD.

First Aid: EYE: FLUSH W/H*20 FOR AT LEAST 15 MIN WHILE HOLDING EYELIDS OPEN. GET MD ATTN. SKIN: REMOVE CONTAM CLTHG & WIPE EXCESS OFF. WASH
W/SOAP & H*2O/WATERLESS HAND CLEANER FOLLOWED BY SOAP & H*20. DO NOT REUS E CLTHG UNTIL THORO CLEANED. IF IRRIT PERSISTS, GET MD ATTN. IF MATL IS INJECTED UNDER SKIN, GET MD ATTN PROMPTLY TO PVNT SERIOUS DAMAGE: DO NOT WAIT FOR SYMP DEVELOP. INHAL:REMOVE (SEE SUPP DATA)

------------- Fire Fighting Measures -------------

Flash Point Method:PMCC
Flash Point:430F,221C
Extinguishing Media:USE H*20 FOG, DRY CHEMICAL/CO*2. DO NOT USE A DIRECT STREAM OF H*20. PROD WILL FLOAT & CAN BE REIGNITED ON SURF OF H*20.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

-------------- Accidental Release Measures ------------

Spill Release Procedures:SCOOP UP EXCESS GREASE. CLEAN AREA W/APPROPRIATE CLEANER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

---------------- Handling and Storage ----------------

Handling and Storage Precautions:STORE IN COOL, DRY PLACE W/ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.
Other Precautions:MINIMIZE SKIN CONTACT. WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER CONTAM CLTHG BEFORE REUSE. PROPERLY DISPOSE OF CONTAM LEATHER ARTICLES, INCLUDING SHO ES, THAT CANNOT BE DECONTAMINATED.

------------- Exposure Controls/Personal Protection -------------

Respiratory Protection:WEAR NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .
Ventilation:NONE SPECIFIED BY MANUFACTURER.
Protective Gloves:OIL RESISTANT.
Eye Protection:CHEMICAL WORKERS GOGGLES .
Other Protective Equipment:PROTECTIVE CLOTHING.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
HAZ DECOMP PROD:PARTICULATES & GASES WILL EVOLVE WHEN MATL UNDERS GOES PYROLYSIS/COMBUST.CO & UNIDENTIFIED ORG COMPOUNDS MAY BE FORMED UPON COMBUST.EFTS OF OVEREXP:TO HUMANS & EXPTAL ANIMALS HOWEVER,HND LG PROC & SFTY PREC IN MSDS SHOULD BE FOLLOWED TO MINIMIZE EMPLOYEE'S EXPOS(SEE ING 10).FIRST AID PROC:VICTIM(SEE ING 7)

------------- Physical/Chemical Properties -------------

HCC:V6
Solubility in Water:INSOLUBLE
Appearance and Odor:BROWN, SMOOTH, SLIGHT ODOR.

------------- Stability and Reactivity Data -------------

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:AVOID HEAT, OPEN FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products: THERMAL DECOMP PROD ARE HIGHLY DEPENDENT ON COMBUST CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQ (SEE SUPP DATA)

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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