

SHELL OIL CO -- SHELL DARINA EP GREASE 1 -- 9150-00-942-0443

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

Product ID:SHELL DARINA EP GREASE 1

MSDS Date:07/09/1991

FSC:9150

NIIN:00-942-0443

MSDS Number: BPQVN

=== Responsible Party ===

Company Name:SHELL OIL CO

Box:4320

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-241-4819

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

Preparer's Nam

e:G.A. VAN GELDER

CAGE:SHELO

=== Contractor Identification ===

Company Name:SHELL OIL CO

Box:4320

City:HOUSTON

State:TX

ZIP:77210-5000

Country:US

Phone:713-473-9461/713-241-2252

CAGE:SHELO

Company Name:SHELL OIL COMPANY

Address:Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

===== Composition/Information on Ingredients =====

Ingred Name:POLYMERIC ADDITIVE IN OIL (POLY-METHACRYLATE); (POLYMERIC
ADDITIVE IN OIL)

Fraction by Wt: 74%

Ingred

Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED(MILD)HEAVY
PARAFFINIC;(SOLV REFINED, HYDROTREATED PETROLEUM DISTILLATE)
CAS:64742-52-5
RTECS #:PY8035000
Fraction by Wt: 13%

Ingred Name:BENTONITE;(INORGANIC CLAY)
CAS:1302-78-9
RTECS #:CT9450000
Fraction by Wt: 4%

Ingred Name:FATTY ACID AMIDES
CAS:68910-93-0
Fraction by Wt: 4.0%

Ingred Name:ANTIMONY DITHIOCARBAMATE
CAS:15890-25-2
Fraction by Wt: 1%

Ingred Name:OTHER ADITIVES
Fraction by Wt: 5.0%

Ingred Name:SUPP DATA:INDUCE VOM. IN
GENERAL, NO TREATMENT IS NEC
UNLESS LG QTYS OF PROD ARE INGESTED. HOWEVER, GET MD ATTN. (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7:NOTE TO MD:IN GENERAL, EMESIS INDUCTION IS UNNEC IN
HIGH VISCOSITY, LOW VOLATILITY PRODS. I.E., MOST OILS/GREASES.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:EYE CONTACT:MAY BE MILDLY IRRIT TO
EYES. SKIN CONTACT:PRLNGD/RPTD CNTCT MAY CAUSE VARIOUS SKIN
DISORDERS SUCH AS DERM, FOLLICULITIS/OIL ACNE. RELEASE DURING HIGH
PRESS USAGE MAY RESULT IN INJECTION OF OIL INTO SKIN CAUSING LOCAL
NERCROSIS.INHAL:NO SPECIFIC INFO IDENTIFIED. INGEST:NO SPECIFIC
INFO (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:IDENTIFIED. IRRIT AS NOTED ABOVE.
LOCAL NERCR

OSIS IS EVIDENCED BY DELAYED ONSET OF PAIN & TISS DAM
FEW HOURS FOLLOWING INJECTION. SPECIFIC PROD HAS NOT BEEN TESTED IN
LONG-TERM, CHRONIC EXPOS TEST. LUBRICATING GREASES ARE GENERALLY
CONSIDERED TO BE OF LOW ORDER OF ACUTE TOX TO HUMANS & EXPERIMENTAL
(SUPP DATA)

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

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

First Aid:EYE:FLUSH W/WATER FOR
AT LEAST 15 MINS WHILE HOLDING EYELIDS
OPEN. GET MD ATTN. SKIN:REMOVE CONTAM CLTHG & WIPE EXCESS OFF. WASH
W/SOAP & WATER/WATERLESS HAND CLEANER FOLLOWED BY SOAP/WATER. DO
NOT RE USE CLTHG UNTIL THORO CLEANED. IF IRRITPERSISTS. GET MD ATTN
PROMPTLY TO PREV SERIOUS DAM; DO NOT WAIT FOR SYMP TO
DEVELOP.INHAL:REMOVE VICTIM TO FRESH AIR & PROVIDE O*2 IF BRTHG IS
DFCLT.(SUPP DATA)

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

Flash Point Method:PMCC
F
lash Point:509F,265C
Extinguishing Media:USE WATER FOG, DRY CHEM/CO*2. DO NOT USE DIRECT
STREAM OF WATER. PROD WILL FLOAT & CAN BE REIGNITED ON SURF OF
WATER.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT . COOL FIRE EXPOSED CONTAINERS SURROUNDING
EQUIPMENT AND STRUCTURES WITH WATER.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SCO
OP UP EXCESS GREASE. CLEAN AREA WITH
APPROPRIATE CLEANER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH
ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH
TEMPERATURES. MINIMIZE SKIN CONTACT.
Other Precautions:PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES,
INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

===== Exposure Con

trols/Personal Protection =====

Respiratory Protection:NOT ORDINARILY REQUIRED. WEAR NIOSH/MSHA
APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:OIL RESISTANT GLOVES

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NEEDED TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices:WASH W/SOAP & WATER BEFORE EATING, DRINKING,
SMOKING/USING TOILET FACILITIES. LAUNDER CONTAMINATED CLTHG BEFORE
REUSE.

Suppleme

ntal Safety and Health

HAZ DECOMP PROD:PARTICULATES & GASES WILL EVOLVE WHEN THIS MATL
UNDERGOES PYROLYSIS/COMBUST. CO & UNIDENTIFIED ORGANIC COMPOUNDS
MAY BE FORMED UPON COMBUST. EFTS OF OVEREXP:ANIMALS. HOWEVER, HNDLG
PRO CEDURES/SAFETY PREC IN MSDS SHOULD BE FOLLOWED TO MINIMIZE
EMPLOYEE'S EXPOS. FIRST AID:GET MD ATTN. INGEST:DO NOT(ING 7)

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

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER, SMOOTH, SLI
GHT ODOR.

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENT.

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

Hazardous Decomposition Products:THERMAL DECOMP PRODS ARE HIGHLY
DEPENDENT ON COMBUST CNDTNS. COMPLEX MIXTURE OF AIRBORNE SOLID. LIQ
(SUPP DATA)

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

Waste Disposal Methods:DISPOSE O
F IN ACCORDANCE WILL LOCAL, STATE, AND
FEDERAL REGULATIONS .

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