

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 .

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility fo

r the suitability of this information to their particular situation.