

SHELL OIL COMPANY -- SHELL DARINA(R) EP GREASE 2; SHELL CODE 715 -- 9150-01-074-8163

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

Product ID:SHELL DARINA(R) EP GREASE 2; SHELL CODE 715

MSDS Date:07/10/1991

FSC:9150

NIIN:01-074-8163

MSDS Number: BQWGG

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-241-4819

Emergency Phone Num:713-473-9461 (24 HOUR EMERGENCY)

CAGE:54527

=== Contractor Identification ===

Company Name:SHELL OIL COMPANY

Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

Company Name:UNI-KEM INTERNATIONAL

Address:1001 HARIMAW COURT EAST

Box:City:METAIRIE

State:LA

ZIP:70001

Country:US

Phone:504-835-7600/FAX:504-835-7608

CAGE:4S446

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

Ingred Name:INORGANIC CLAY

Fraction by Wt: 5.0%

Other RE

C Limits:NONE RECOMMENDED

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

Fraction by Wt: 84.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:FATTY ACID AMIDES

CAS:68910-93-0

Fraction by Wt: 3.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

CAS:64742-54-7

RTECS #:PY8035500

Fraction by Wt: 3.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM

Ingred Name:ANTIMONY DITHIOCARBAMATE

CAS:15890-25-2

Fraction by Wt: 1.0%

Other

REC Limits:NONE RECOMMENDED

Ingred Name:OTHER ADDITIVES

Fraction by Wt: 4.0%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE: EYE:MAY BE MILDLY IRRITATING.

SKIN: RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF OIL INTO THE

SKIN CAUSING LOCAL NECROSIS. INHALATION:NOT EXPECTED

TO BE A RELEVANT ROUTE OF EXP OSURE. INGESTION: LOW LEVEL OF TOXICITY. CHRONIC: SKIN DISORDERS.

Explanation of Carcinogenicity:BASED ON DATA AVAILABLE TO SHELL, THIS PRODUCT IS NOT HAZARDOUS UNDER OSHA HAZARDOUS COMMUNICATION.

Effects of Overexposure:MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

Medical Cond Aggrav

ated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE
AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS
DIFFICULT. GET MEDICAL ATTENTION. EYE: FLUSH WITH WATER FOR 15
MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:
WASH WITH S OAP & WATER/WATERLESS CLEANER. REMOVE CONTAMINATED
CLOTHING. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION
. INGESTION:
DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS REQUIRED. GET
MEDICAL ADVICE.

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

Flash Point Method:PMCC
Flash Point:509F,265C
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL. DO
NOT USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & REIGNITE.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED

CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:LARGE SPILLS: WEAR PROTECTIVE EQUIPMENT AS
REQUIRED. STOP LEAK AND DIKE TO CONTAIN. REMOVE WITH VACUUM OR PUMP
TO CONTAINER. ABSORB RESIDUE WITH CLAY OR SAND. 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 CONTAINERS TIGHTLY CLOSED WHEN NOT IN
USE. KEEP AWAY FROM OPEN FLAMES & HIGH TEMPERATURES.
Other Precautions:MINIMIZE SKIN CONTACT. WASH WITH SOAP & WATER BEFORE
EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDER
CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF
CONTAMINATED LEATHER ARTICLES (SHOES) THAT CAN NOT BE
DECONTAMINATED.

=====

Exposure Controls/Personal Protection =====

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS. RESPIRATORY PROTECTION NOT ORDINARILY R EQUIRED.

Ventilation:NONE REQUIRED

Protective Gloves:NITRILE GLOVES GIVE BEST PROTECTION.

Eye Protection:SAFETY GLASSES RECOMMENDED.

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL

-TYPE WORK CLOTHING AND APRON AS REQUIRED.

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

Supplemental Safety and Health

DO NOT GET IN EYES OR ON CLOTHING.

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

HCC:V6

Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER, SMOOTH, SLIGHT ODOR.

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

Stability Indicat

or/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:A MIXTURE OF AIRBORNE SOLID, LIQUID PARTICULATES AND GASES (CO) WILL EVOLVE WHEN THIS MATERIAL UNDERGOES COMBUSTION.

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

Waste Disposal Methods:DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Dis

claimer (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 for the suitability of this information to their particular situation.