

SHELL OIL COMPANY, PRODUCT SAFETY & COMPLIANCE -- DONAX (R) TF FLUID --
9150-00-843-1636

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

Product ID:DONAX (R) TF FLUID

MSDS Date:04/22/1991

FSC:9150

NIIN:00-843-1636

MSDS Number: BWMQK

=== Responsible Party ===

Company Name:SHELL OIL COMPANY, PRODUCT SAFETY & COMPLIANCE

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819

Emergency Pho

ne Num:713-473-9461 (24 HOUR EMERGENCY)

Preparer's Name:Q. A. VAN GELDER

CAGE:54527

=== Contractor Identification ===

Company Name:SALATHE OIL CO INC

Address:2226 PETERS RD

Box:City:HARVEY

State:LA

ZIP:70058

Country:US

Phone:504-366-4542

CAGE:0T5C6

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:DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

CAS:

64742-54-7
RTECS #:PY8035500
Fraction by Wt: 80 - 85%
Other REC Limits:NONE SPECIFIED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM

Ingred Name:ADDITIVE CONTAINING ZINC DIALKYL DITHIOPHOSPHATE
Fraction by Wt: < 10%
Other REC Limits:NONE SPECIFIED

Ingred Name:HYDROTREATED MIDDLE PETROLEUM DISTILLATE
CAS:64742-46-7
RTECS #:JN9379645
Fraction by Wt: 0 - 15%
Other REC Limits:NONE SPECIFIED

Ingred Name:MINERAL OIL
CAS:64742-53-6
RTECS #:PY8036000
Fraction by Wt: 0 - 15%
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYES/SKIN-MILD IRRITATION.
PROLONGED OR REPEATED CONTACT WITH SKIN MAY RESULT IN DERMATITIS.
INHALATION-VAPOR (HIGH TEMPERATURE)/OIL MIST MAY CAUSE MILD
IRRITATION OF THE UPPER RESPIRATORY TRAC T. INGESTION-SLIGHTLY
TOXIC. CHRONIC-NOT GIVEN.
Explanation of Carcinogeni
ty:THE IARC HAS DETERMINED THERE IS
SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY IN EXP. ANIMALS OF USED
MOTOR OILS.
Effects of Overexposure:IRRITATION AS NOTED ABOVE.
Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR.GIVE
OXYGEN IF NEEDED. EYES: FLUSH WITH WATER FOR 15 MI

NOTES WHILE

HOLDING EYELIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING. WIPE EXCESS OFF. WASH SKIN WITH SOAP & WATER. INGESTION: DONOT INDUCE VOMITING. NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED.

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

Flash Point Method:PMCC

Flash Point:350F,177C

Extinguishing Media:WATER FOG,CO2,FOAM,OR DRY CHEMICAL.DON'T USE A DIRECT STREAM OF WATER.PRODUCT WILL FLOAT & CAN BE REIGNITED ON SURFACE.

Fire Fighting Procedures:USE A POSITIVE-PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. USE WATER TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:DIKE AND CONTAIN.REMOVE WITH VACUUM TRUCK OR PUMP TO STORAGE SALVAGE VESSELS.SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY,SAND OR OTHER SUITABLE MATERIALS.FLUSH AREAS WITH WATER TO REMOVE TRACE RESIDUE.TAKE UP SMALL SPILLS WITH AN ABSORBENT MATERIAL

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORAGE-STORE IN A COOL, WELL VENTILATED AREA. KEEP AWAY FROM FLAMES, HEAT & OXIDIZERS.

Other Precautions:DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES AND SKIN. WASH HANDS BEFORE EATING OR DRINKING. DISCARD CONTAMINATED LEATHER ARTICLES.

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

Respiratory Protection:NORMALLY NOT NECESSARY. IF MIST GENERATED BY HEATING, SPRAYING, ETC. WEAR APPROVED ORGANIC VAPOR RESPIRATOR SUITABLE FOR OIL MIST IN AREAS WITH SUFFICIENT OXYGEN.

Ventilation:MECHANICAL VENTILATION

Protective Gloves:NITRILE

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION. LONG SLEEVE CLOTHING TO MINIMIZE SKIN CONTACT.

Work Hygienic Practices

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

Supplemental Safety and Health
NONE

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

HCC:V6

Melt/Freeze Pt:M.P/F.P Text:-45F,-43C

Spec Gravity:0.8708

Solubility in Water:NEGLIGIBLE

Appearance and Odor:DARK RED LIQUID. SLIGHT HYDROCARBON ODOR

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

Stability Indicator/Materials to Avoid

:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:EXCESSIVE HEAT AND OPEN FLAME

Hazardous Decomposition Products:CARBON MONOXIDE AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This inform

ation 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.