

SHELL OIL COMPANY -- SHELL NAVY DISTILLATE FUEL -- 9140-00-273-2378

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

Product ID:SHELL NAVY DISTILLATE FUEL

MSDS Date:04/09/1992

FSC:9140

NIIN:00-273-2378

MSDS Number: BPTYD

=== 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)

Preparer's Name:J.C. WILLETT

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

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

Ingred Name:PETROLEUM OIL (NO. 2 DIESEL)

CAS:68334-30-5

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YE

S Ingestion: YES

Health Hazards Acute and Chronic: EYE-PRACTICALLY NONIRRITATING.

SKIN-PROLONGED OR REPEATED CONTACT CAN CAUSE DEFATTING & DRYING, RESULTING IN SKIN IRRITATION & DERMATITIS. INHALE-MILD IRRITATION TO UPPER RESPIRATORY TRACT, CENTRAL NERVOUS SYSTEM OR CHEMICAL PNEUMONITIS. INGEST-IF SWALLOWED, RESULTING IN VOMITING OR ASPIRATION PNEUMONITIS.

Explanation of Carcinogenicity: THE RESULT OF ANIMAL BIOASSAYS SHOW THAT PROLONGED DERMAL CONTACT PRODUCES A WEAK TO MODERATE CARCINOGENIC ACTIVITY.

Effects of Overexposure: GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN & TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION. ASPIRATION PNEUMONITIS CAN SHOW AS COUGHING, LABORED BREATHING AND CYANOSIS; IN SEVERE CASES DEATH MAY OCCUR.

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

PREEXISTING SKIN OR LUNG ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPTOMS.

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

First Aid: EYE-FLUSH WITH WATER. GET MEDICAL ATTENTION. SKIN-FLUSH WITH WATER, REMOVE SOILED CLOTHES/SHOES. WASH WITH SOAP & WATER. GET MEDICAL ATTENTION. INHALE-REMOVE TO FRESH AIR & PROVIDE OXYGEN IF HARD TO BREATHE. GET MEDICAL ATTENTION. INGEST-DONOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. GET MEDICAL ATTENTION.

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

Flash Point Method: PMCC

Flash Point: 140F, 60C

Autoignition Temp: Autoignition Temp Text: NA

Lower Limits: NA

Upper Limits: NA

Extinguishing Media: USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & REIGNITE.

Fire Fighting Procedures: CAUTION. COMBUSTIBLE. DO NOT

ENTER CONFINED

FIRE SPACE WITHOUT FULL BANKER GEAR, INCLUDING A POSITIVE PRESSURE
NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS

Unusual Fire/Explosion Hazard:CONTAINERS EXPOSED TO INTENSE HEAT FROM
FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP
WHICH COULD RESULT IN CONTAINER RUPTURE.

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

Spill Release Procedures:CAUTION. COMBUSTIBLE. ***SMALL SPILL***TAKE UP
WITH AN ABSORBENT MATERIA
L AND PLACE IN NON-LEAKING CONTAINERS FOR
PROPER DISPOSAL.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED
AREA AWAY FROM SOURCES OF IGNITION. ALL HANDLING EQUIPMENT MUST BE
GROUNDED TO PREVENT SPARKING.

Other Precautions:KEEP LIQUID AND VAPORS AWAY FROM HEAT, SPARKS AND
FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQUID
PRODUCT IN THE ABSENCE OF SPARK/FLAME. DO NOT CUT,
DRILL, GRIND,
WELD OR PERFORM SIMI LIAR OPERATIONS ON OR NEAR CONTAINERS.

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

Respiratory Protection:USE A NIOSH/MSHA APPROVED RESPIRATOR AS REQUIRED
TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134, USE EITHER
A FULL-FACE, ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING
RESPIRATOR FOR ORG ANIC VAPORS.

Ventilation:USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL
VAPOR CONCENTRATIONS.

Protectiv

e Gloves:WEAR CHEMICAL RESISTANT GLOVES.

Eye Protection:NO SPECIAL EYE PROTECTION USUALLY REQUIR

Other Protective Equipment:WEAR CHEMICAL RESISTANT CLOTHES AS REQUIRED
TO MINIMIZE SKIN CONTACT. SAFETY SHOWER AND EYE BATH.

Work Hygienic Practices:WASH AFTER HANDLING & BEFORE EATING, DRINKING,
SMOKING OR USING TOILET. LAUNDER CONTAMINATED CLOTHING BEFORE
REUSE.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IF MORE THAN 2.0 ML/KG HAS BEEN INGESTED & VOMITING
HAS NOT OCCURRED, EM

ESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX/CONVULSION/UNCONSCIOUSNESS BEFORE EMESIS, DO GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE.

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

HCC:F4

Boiling Pt:B.P. Text:325F,163C

Melt/Freeze Pt:M.P/F.P Text:NA

Vapor Pres:NA

Vapor Density:>1 AIR=1

Spec Gravity:0.8762

pH:NA

Viscosity:NA

Evaporation Rate & Reference:NA

Solubility

in Water:NEGLIGIBLE

Appearance and Odor:YELLOW LIQUID; STRONG HYDROCARBON ODOR.

Percent Volatiles by Volume:NA

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, FLAME.

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

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

=====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL 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 for the suitability of this information to their
particular situation.