

SHELL OIL COMPANY -- SHELL NAVY DISTILLATE FUEL -- 9140-00-273-2377

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

Product ID:SHELL NAVY DISTILLATE FUEL

MSDS Date:04/09/1992

FSC:9140

NIIN:00-273-2377

MSDS Number: BPTYC

=== 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.

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===== 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.

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===== 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 MATERIAL 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 SIMILAR 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 ORGANIC VAPORS.

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

Protective

Gloves: WEAR CHEMICAL RESISTANT GLOVES.

Eye Protection: NO SPECIAL EYE PROTECTION USUALLY REQUIRED

Other Protective Equipment: WEAR CHEMICAL RESISTANT CLOTHING 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.

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