

SHELL OIL COMPANY -- SHELL NAVY DISTILLATE FUEL -- 9140-00-274-1912

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

Product ID:SHELL NAVY DISTILLATE FUEL

MSDS Date:04/09/1992

FSC:9140

NIIN:00-274-1912

MSDS Number: BPTYG

=== 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

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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:YES 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, UNCONCIOUSNESS AND DEATH MAY OCCUR. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN & TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION. A SPIRATION PNEUMONITIS CAN SHOW AS COUGHING, LABORED BREATHING AND CYANOSIS; IN SEVERE CASES DEATH MAY OCCUR.  
Medical Cond 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 B REATH. 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, INCLUDI

NG 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.

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===== 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 NEA R 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.

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES.

Eye Protection:NO SPECIA

L 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, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD B

ELOW 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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