

SHELL OIL CO -- TURBINE FUEL, JP-8, 2354085427 -- 9130-01-031-5816

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

Product ID:TURBINE FUEL, JP-8, 2354085427

MSDS Date:09/10/1995

FSC:9130

NIIN:01-031-5816

MSDS Number: CFQWX

=== Responsible Party ===

Company Name:SHELL OIL CO

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-2252

Emergency Phone Num:713-473-9461;800-424-9300(CHEMTREC)

CA

GE:SHELO

=== Contractor Identification ===

Company Name:SHELL OIL CO

Box:4320

City:HOUSTON

State:TX

ZIP:77210-5000

Country:US

Phone:713-473-9461/713-241-2252

CAGE:SHELO

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:KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: >96.5%

OSHA PEL:100 PPM (MFR)

ACGIH TLV:100 PPM (MFR)

Ingred Name:MIN

OR ADDITIVES

Fraction by Wt: 100F,>38C

Lower Limits:0.7%

Upper Limits:5%

Extinguishing Media:USE WATER FOG, FOAM, DRY CHEM/CO*2. DO NOT USE DIRECT STREAM OF WATER. PROD WILL FLOAT & CAN BE IGNITED ON SURF (SUPDAT)

Fire Fighting Procedures:USE NIOSH APPRVD SCBA & FULL PROT EQUIP. CAUT. COMBUST. COOL FIRE EXPOS CNTNRS W/WATER. IN CASE OF LG FIRES, ALSO COOL SURROUND EQUIP & STRUCTURES(SUPDAT)

Unusual Fire/Explosion Hazard:CNTNRS EXPOS TO INTENSE HEAT FROM FIRES SHOULD BE COOLED

W/WATER TO PVNT VAP PRESS BUILDUP WHICH COULD RSLT IN CNTNR RUPTURE. CNTNR AREAS EXPOS TO (SUPP DATA)

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

Spill Release Procedures:CAUT. COMBUST. LG SPILLS:ELIM POTNTL SOURCES OF IGNIT. WEAR APPROP NIOSH APPRVD RESP & OTHER PROT CLTHG. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE & CONTAIN. REMOVE W/VACUUM TRUCKS/PUMP TO S TOR/SALVAGE VESSELS. SOAK UP RESIDUE W/(ING 21)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP LIQ & VAP AWAY FROM HEAT, SPKS & FLAME. SURFS THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQ PROT IN ABSENCE OF SPKS/FLAME. USE(ONLY) W/ADEQ VENT.

Other Precautions:EXTING PILOT LIGHTS, CIGARETTES & TURN OFF OTHER SOURCE OF IGNIT PRIOR TO USE & UNTIL ALL VAPS ARE GONE. VAPS MAY ACCUM & TRAVEL TO IGNIT SOURCES DIST FROM HNDLG SITE; FLASH-FIRE CAN RSLT. K

EEP CNTNRS CLSD WHEN NOT IN USE. CNTNRS, (ING 25)

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

Respiratory Protection:IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD W/29 CFR 1910.134 USE EITHER AN ATM-SUPPLYING RESPIRATOR OR AN AIR-PURIFY ING RESPIRATOR FOR ORGANIC VAPORS.

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

Protective

Gloves:CHEMICAL RESISTANT GLOVES (NEOPRENE).

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:ANSI APPROVED EYE WASH FOUNTAIN & DELUGE SHOWER . WEAR CHEMICAL RESISTANT CLOTHING TO MINIMIZE CONTACT (NEOPRENE).

Work Hygienic Practices:WASH W/SOAP & WATER BEFORE EATING, DRINKING, SMOKING/USING TOILET FACILITIES. LAUNDRER CONTAM CLOTHING BEFORE REUSE.

Supplemental Safety and Health

EXTING MEDIA:OF WATER. FIRE FIGHT PROC:W/WATER. EXPLO HAZ:DIRECT FLAME C

ONT SHOULD BE COOLED W/LG QTYS OF WATER AS NEEDED TO PVNT WEAKENING OF CNTNR STRUCTURE. HAZ DECOMP PROD:GASES WILL EVOLVE WHEN T HIS MATL UNDERGOES PYROLYSIS/COMBUST. CARBON MONOXIDE & OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUST.

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

Boiling Pt:B.P. Text:320F,160C

Melt/Freeze Pt:M.P/F.P Text:-58F,-50C

Vapor Density:>1

Spec Gravity:0.81 (H*2O=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLE

AR WHITE LIQUID; KEROSENE ODOR.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT W/STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:AVOID HEAT, SPARKS & FLAME.

Hazardous Decomposition Products:THERMAL DECOMP PRODS ARE HIGHLY DEPENDENT ON COMBUST CNDTNS. COMPLEX MIXT OF AIRBORNE SOLID, LIQ, PARTICULATES &(SUPDAT)

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

Waste Disposal Methods:DI

SPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL

REGULATIONS . UNDER EPA-RCRA (40 CFR 261.21), IF THIS PROD BECOMES A WASTE MATL, IT WOULD BE IGNITABLE HAZ WASTE, HAZ WASTE #D001.

REFER TO LATEST E PA OR STATE REGS REGARDING PROPER DISPOSAL.

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