

DIAMOND SHAMROCK REFINING CO L.P. -- JP-8 -- 9130-01-429-4563

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

Product ID:JP-8

MSDS Date:12/03/1996

FSC:9130

NIIN:01-429-4563

MSDS Number: CFRBN

=== Responsible Party ===

Company Name:DIAMOND SHAMROCK REFINING CO L.P.

Address:9830 COLONADE BLVD

Box:696000

City:SAN ANTONIO

State:TX

ZIP:78269-6000

Country:US

Info Phone Num:210-530-8680

Emergency Phone Num:210-979-83

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CAGE:3P045

=== Contractor Identification ===

Company Name:DIAMOND SHAMROCK REFINING AND MARKETING CO

Address:9830 COLONNADE BLVD

Box:696000

City:SAN ANTONIO

State:TX

ZIP:78269-6000

Country:US

Phone:210-641-8601

CAGE:3P045

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

Ingred Name:KEROSENE; (LIGHT HYDROCARBON BLEND). REC EXPOS LIM:100
MG/M3 OR 14 PPM (8 HR TWA) (MFR).

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: >97%

Other REC Limits:SEE INGREDIENTS

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:NAPHTHALENE (SARA 313) (CERCLA)

CAS:91-20-3

RTECS #:QJ0525000

Fraction by Wt: 62C

Lower Limits:0.6%

Upper Limits:5%

Extinguishing Media:DRY CHEMICAL, FOAM OR CARBON DIOXIDE. WATER SPRAY MAY BE INEFFECTIVE ON BURNING PRODUCT.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:CLOTHING, RAGS OR SIMILAR ORGANIC MATL CONTAMINATED W/PROD & STORED IN CLSD SPACE MAY UNDERGO SPONT COMBUST. TRANSFER PRO

D TO & FROM COMMONLY GROUNDED CNTNRS.

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

Spill Release Procedures:IF MATL IS SPILLED/RELS TO ATM, STEPS SHOULD BE TAKEN TO CONTAIN LIQ & PVNT DISCHARGES TO STREAMS/SEWER SYS; & CONTROL/STOP LOSS OF VOLAT MATLS TO ATM. SPILLS/RELS SHOULD BE REPORTED, IF REQD, TO APPR OP LOC, STATE & FED REGULATORY AGENCIES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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Handling and Storage Precautions:PROT AGAINST PHYSICAL DMG. SEPARATE FROM OXIDIZING MATLS. STORE IN COOL, WELL-VENTED AREAS OF NON-COMBUST CONSTRUCTION AWAY FROM POSS IGNIT SOURCES.

Other Precautions:OUTSIDE/DETACHED STOR IS PREF. CONTAM CLTHG SHOULD BE STORED IN WELL VENTED AREAS & PRECS TAKEN FOR POSS SPONT COMBUST. NO APPLIC BIOLOGICAL MONITORING EXPOS PROC, BREATH ANALYSIS FOR HYDROCARBONS HAS BEEN SUGGESTED. MONITOR FOR (ING 23)

===== Exposure Controls

/Personal Protection =====

Respiratory Protection:RESP PROT IS NOT REQD UNLESS PRODUCT IS HEATED ABOVE IT'S FLASHPOINT/SPRAYED; USE NIOSH APPROVED RESPIRATORY PROT WHERE SPRAY, MISTS, VAPORS MAY BE GENERATED; FOLLOWING MFR'S RECS. NIOSH APPRVD SUPPLI ED AIR RESP PROT IS REQD FOR IDLH AREAS.

Ventilation:WORK IN WELL VENTED AREAS; USE GOOD ENGINEERING TO PROCESS, TRANSFER & STORE; SPECIAL VENT IS NOT REQD UNLESS (SUPDAT)

Protective Gloves:IMPERMEABLE GLOVES.

Eye Protectio

n:ANSI APPRVD CHEM WORKERS GOGGS &(SUPDAT)

Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA .

Work Hygienic Practices:CLTHG CONTAM W/THIS PROD SHOULD BE REMOVED, WASHED IN SOAP & WATER & DRIED BEFORE REUSE. SHOES WHICH HAVE BEEN (SUPDAT)

Supplemental Safety and Health

MED CNDTNS:DEHYDROGENASE ACTIVITY ARE HYPERSUSCEPTIBLE TO HEMOLYTIC EFTS OF NAPHTHALENE. VENT:PROD IS HEATED ABOVE IT'S FLASHPOINT/SPRAYED; GOOD ENGINEERING CONTROLS A RE REQD IN HIGH VOL

USES. EYE PRO T:FULL LGTH FSHLD . HYGIENE PRACT:CONTAM W/THIS PROD & CAN NOT BE DECONTAM SHOULD BE DISCARDED.

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

Boiling Pt:B.P. Text:>360F,>182C

Spec Gravity:0.822 (H*2O=1)

Solubility in Water:TRACE

Appearance and Odor:COLORLESS LIQUID W/AROMATIC ODOR; ODOR THRESHOLD 1 PPM & IS NOT INDEX OF EXPOS.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT W/STRONG OXIDIZERS SUCH AS CHLORINE, CONCENTRATED OXYGEN & SODIUM HYPOCHLORITE OR OTHER HYPOCHLORITES.

Stability Condition to Avoid:AVOID SOURCES OF IGNITION SUCH AS FLAMES, HOT SURFACES, ELECTRICAL OR FUNCTIONAL SPARKS, ETC.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE CARBON MONOXIDE & CARBON DIOXIDE.

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

Waste Disposal Methods:

CLEAN-UP ACTION SHOULD BE CAREFULLY PLANNED & EXECUTED. SHIPMENT, STOR &/OR DISP OF WASTE MATLS ARE REGULATED & ACTION TO HANDLE/DISP OF SPILLED/RELS MATLS MUST MEET ALL APPLIC LOC, STATE & FED RULES & REGS. WASTE PRODS WILL BE CONSIDERED HAZ(ING 21)

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