

DIAMOND SHAMROCK REFINING AND MARKETING CO -- #2 DIESEL FUEL -- 9140-00-286-5294  
===== Product Identification =====

Product ID:#2 DIESEL FUEL

MSDS Date:12/15/1988

FSC:9140

NIIN:00-286-5294

MSDS Number: BKPHH

=== Responsible Party ===

Company Name:DIAMOND SHAMROCK REFINING AND MARKETING CO

Address:9830 COLONNADE BLVD

Box:696000

City:SAN ANTONIO

State:TX

ZIP:78269-6000

Country:US

Info Phone Num:512

-641-8601

Emergency Phone Num:512-641-8800

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

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: 0-20% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM 9091

Ingred Name:DI

STILLATES,STREIGHT RUN MIDDLE

CAS:64741-44-2

RTECS #:LX3296000

Fraction by Wt: 40-70% %

Other REC Limits:NONE SPECIFIED

Ingred Name:LIGHT HYDROCARBON BLEND

CAS:64741-59-9

Fraction by Wt: 20-40% %

Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====  
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LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:IRRITATI

ON OF UPPER RESPIRATORY TRACT

WITH CENTRAL NERVOUS SYSTEM STIMULATION, SKIN IRRITATION, EYE IRRITATION, IRRITATION OF MUCOUS MEMBRANES OF THROAT, ESOPHAGUS AND STOMACH, GASTROINTESTINAL IRRITATION, DEPRESSION. EXPERIENCE HAS SHOWN NO MAJOR CUMULATIVE OR LATENT EFFECTS DUE TO CHRONIC EXPOSURE.

Explanation of Carcinogenicity:THE MATERIALS IN THIS PRODUCT ARE NOT LISTED AS CARCINOGENIC BY IARC, NTP OR OSHA.

Effects of Overexposure:DEPRESSION, DIZZINESS, HEADACHE, INCOOR

DINATION, ANESTHESIA, COMA, RESPIRATORY ARREST, SKIN DEFATTING, BURNING OF SKIN/EYES, SWELLING OF EYELIDS, NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:CONDITIONS WHICH HAVE THE SAME SYMPTOMS OR EFFECTS AS STATED ABOVE.

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===== First Aid Measures =====  
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First Aid:EYES: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR. INHALATION: REMOVE TO

FRESH AIR. IF

BREATHING HAS STOPPED, RESUSCITATE AND ADMINISTER OXYGEN IF AVAILABLE. INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. KEEP AIRWAY CLEAR. IN ALL CASES, SEEK MEDICAL ATTENTION

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===== Fire Fighting Measures =====  
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Flash Point Method:PMCC

Flash Point:140F,60C

Lower Limits:1 %

Upper Limits:5 %

Extinguishing Media:DRY CHEMICAL, FOAM OR CARBON DIOXIDE OR WATER SPRAY.

Fire Fighting Procedures:

PRESSURE-DEMAND, SELF CONTAINED BREATHING

APPARATUS SHOULD BE PROVIDED FOR FIRE FIGHTERS IN BUILDINGS OR  
CONFINED AREAS WHERE PRODUCT IS STORED.

Unusual Fire/Explosion Hazard:CLOTHING, RAGS, OR SIMILAR ORGANIC

MATERIAL CONTAMINATED WITH THE PRODUCT AND STORED IN A CLOSED SPACE  
MAY UNDERGO SPONTANEOUS COMBUSTION.

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

Spill Release Procedures:IF MATERIAL IS SPILLED OR RELEASED TO

ATMOSPHERE, STEPS SHOULD BE TAKEN

TO CONTAIN LIQUIDS AND PREVENT

DISCHARGES TO STREAMS OR SEWER SYSTEMS. CONTROL OR STOP THE LOSS OF  
VOLATILE MATERIALS TO THE AIR . SPILLS OR RELEASES SHOULD BE  
REPORTED.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA OF  
NON-COMBUSTIBLE CONSTRUCTION AWAY FROM POSSIBLE SOURCES OF  
IGNITION.

Other Precautions:NOTES TO PHYSICIAN: GASTRIC L

AVAGE ONLY IF LARGE

QUANTITY HAS BEEN INGESTED. GUARD AGAINST ASPIRATION INTO LUNGS  
WHICH MAY RESULT IN CHEMICAL PNEUMONITIS. IRREGULAR HEARTBEAT MAY  
OCCUR; USE OF ADRENAL IN IS NOT ADVISABLE. TREAT SYMPTOMS.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL USE. USE NIOSH/MSHA

APPROVED RESPIRATORY PROTECTION FOLLOWING MANUFACTURER'S

RECOMMENDATION WHERE SPRAY, MIST OR VAPOR IS GENERATED. SUPPLIED  
AIR RE

SPIRATORY PROTECTION IS RE QUIRED FOR IDLH AREAS.

Ventilation:WORK IN WELL VENTILATED AREAS. SPECIAL VENTILATION IS NOT  
REQUIRED UNDER NORMAL USE.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:FACE SHIELD & GOGGLES OR CHEMICAL GOGGLE

Other Protective Equipment:STANDARD WORK CLOTHING, ACCESSIBLE EYEWASH  
AND SHOWER.

Work Hygienic Practices:CONTAMINATED CLOTHING AND SHOES SHOULD BE  
WASHED WITH SOAP AND WATER AND DRIED BEFORE REUSE.

Supplemental Safety and Health

BLEND VARIES TO MEE

T SPECIFICATIONS. PHYSICAL DATA MAY VARY SLIGHTLY TO MEET SPECIFICATIONS.

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

HCC:F4

Boiling Pt:B.P. Text:330F,166C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:0.82-0.87

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:TRACE

Appearance and Odor:YELLOW (STRAW) LIQUID WITH AROMATIC ODOR; ODOR THRESHOLD APPROX 1 PPM.

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

SEPARATE FROM OXIDIZING MATERIALS.

Stability Condition to Avoid:AVOID PHYSICAL DAMAGE. AVOID SOURCES OF IGNITION.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE CARBON MONOXIDE, CARBON DIOXIDE AND OTHER HYDROCARBONS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE

LOCAL, STATE AND FEDERAL REGULATIONS. WASTE PRODUCT AND CONTAMINATED MATERIAL WILL BE CONSIDERED A HAZARDOUS WASTE IF THE FLASH POINT IS LESS THAN 140F REQUIRING DISPOSAL AT AN APPROVED HW FACILITY.

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