

DIAMOND SHAMROCK REFINING AND MARKETING CO -- #2 DIESEL FUEL -- 9140-00-286-5296
===== Product Identification =====

Product ID:#2 DIESEL FUEL

MSDS Date:12/31/1992

FSC:9140

NIIN:00-286-5296

MSDS Number: BQMCJ

=== 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

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Phone:210-641-8601

CAGE:3P045

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

Ingred Name:PETROLEUM MID-DISTILLATE (DIESEL MARINE FUEL)

CAS:68476-34-6

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 AS OIL MIST

ACGIH T

LV:5 MG/M3 AS OIL MIST

Ingred Name:KEROSENE (PART OF COMPONENT 1)

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:LIGHT HYDROCARBON BLEND (PART OF COMPONENT 1)

CAS:64741-59-9

Fraction by Wt: 20-40% %

Other REC Limits:NONE SPECIFIED

Ingred Name:DISTILLATES,STRAIGHT RUN MIDDLE (PART OF COMPONENT 1)

CAS:64741-44-2

RTECS #:LX3296000

Fraction by Wt: 40-70% %

Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====

LD50 LC50 Mixture:TWA=100MG/M3/8HRS (NIOSH PROPOSED)

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

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

Health Hazards Acute and Chronic:INHAL:UPPER RESPIRATORY TRACT

IRRITATION,CNS EFFECTS(ANESTHETIC LEADING TO RESPIRATORY

ARREST).SKIN:DEFATTING AGENT,IRRITANT.EYES:SEVERE BUT TEMPORARY

IRRITANT.INGEST:IRRITATES MUCOUS MEMBRANES OF THR

OAT,ESOPHAGUS,STOMACH.LUNG DAMAGE

CAN RESULT FROM VOMITING.

Explanation of Carcinogenicity:HMIS NOTES THAT RTECS 92-4 LISTS THE

COMPONENTS OF THIS MATERIEL AS EITHER TUMORIGENS AND/OR MUTAGENS.

Effects of

Overexposure:INHAL:DIZZINESS,HEADACHE.OVEREXPOSURE-ANESTHESIA,COMA,
RESPIRATORY ARREST,IRREGULAR HEART

BEAT.SKIN:BURNING.EYES:BURNING,SWELLING OF

LIDS.INGEST:NAUSEA,VOMITING,CNS DEPRESSION.

Medical Cond Aggravated by Exposure:PERSONS WITH RESPIRATORY OR SKIN

AILMENTS MAY BE AT INCREASED RISK FROM EXPOSU

RE.

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===== First Aid Measures =====

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 NEEDED. 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 =====

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.

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

Spill Release Procedures: USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT. ADSORB LIQUID WITH FLAME RETARDANT SAWDUST OR DIATOMACEOUS EARTH; PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL. AVOID RUNOFF INTO WATERWAYS. ANY SUCH SPILLS MUST BE REPORTED.

Neutralizing Agent: NONE.

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

Handling and Storage Precautions: PROTECT FROM PHYSICAL DAMAGE. OUTSIDE OR DETACHED STORAGE IS PREFERRED. STORE IN A COOL, WELL VENTILATED, AWAY FROM SOURCE OF IGNITION & OXIDANTS.

Other Precautions: GROUND AND BOND CONTAINERS WHEN TRANSFERRING LIQUID.

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===== 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 RESPIRATORY PROTECTION IS REQUIRED FOR HIGHER CONCENTRATIONS.

Ventilation:WORK IN WELL VENTILATED AREAS.ENGINEERING CONTROLS MUST BE USED IF WORKING WITH HIGH VOLUMES.

Protective Gloves:IMPERMEABLE GLOVES

Eye Protection:FACE SHIELD & GOGGLES OR CHEMICAL GOGGLE

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

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKIN

G. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE.

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

HCC:F4

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

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:LIQUID:YELLOW TO STRAW COLOR;ARMATIC ODOR.ODOR THRESHOLD=1PPM.

Percent Volatiles by Volume:100 %

===== Stability and Reactivity

Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIALS,SUCH AS CHLORINE,CONCENTRATED OXYGEN,SODIUM HYPOCHLORITE(AND OTHER HYPOCHLORITES).

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 HAZMAT DISPOSAL.

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