

FARMLAND INDUSTRIES INC. PETROLEUM DIVISION -- LOW SULFUR #2 FUEL, #2 DIESEL FUEL, FUEL OIL -- 9140-00-000-0184

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

Product ID:LOW SULFUR #2 FUEL, #2 DIESEL FUEL, FUEL OIL

MSDS Date:10/15/1993

FSC:9140

NIIN:00-000-0184

MSDS Number: BTSCK

=== Responsible Party ===

Company Name:FARMLAND INDUSTRIES INC. PETROLEUM DIVISION

Box:7305

City:KANSAS CITY

State:MO

ZIP:64116-00

05

Country:US

Info Phone Num:800-523-3774

Emergency Phone Num:816-251-4000/800-424-9300(CHEMTREC)

CAGE:6G072

=== Contractor Identification ===

Company Name:FARMLAND INDUSTRIES,INC.,BULK PERTOLEUM PROD DIV.

Box:7305

City:KANSAS CITY

State:MO

ZIP:64116-0005

Country:US

Phone:316-251-4000, CHEMTREC 800-424-9300

CAGE:6G072

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

Ingred Name:PETROLEUM MID-DISTILLATE

CAS:68476-34-6

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES:IRRITATION. SKIN:IRRITATION.  
INHALATION:LUNG IRRITATION, CNS EFFECTS. INGESTION: MODERATELY  
TOXIC; HOWEVER, IF ASPIRATED INTO LUNGS IT MAY CAUSE CHEMICAL  
PNEUMONITIS WHICH CAN BE FATAL. CHRONIC:DERMATITIS. TARGET ORGANS:  
SKIN, CNS.  
Explanation of Carcinogenicity:WHO  
LE DIESEL ENGINE EXHAUST IS LISTED AS  
A PROBABLE CARCINOGEN BY IARC AND NIOSH.  
Effects of Overexposure:EYES:IRRITATION. SKIN:IRRITATION, DRYING EFFECT.  
INHALATION: HEADACHE, DIZZINESS, NAUSEA, VOMITING, LOSS OF  
COORDINATION.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES:FLUSH WITH FRESH WATER FOR 15 MINUTES. SKIN: REMOVE  
CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH SOAP  
AND WATER.  
SEE A DOCTOR IF SYMPTOMS DEVELOP. INHALATION: REMOVE TO FRESH AIR.  
INGESTION: GIVE WATER OR MILK TO DRINK AND GET IMMEDIATE MEDICAL  
ATTENTION. DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY.

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===== Fire Fighting Measures =====

Flash Point Method:TCC  
Flash Point:140F,60C  
Lower Limits:0.6  
Upper Limits:7.5  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE  
EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL  
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR, MAY SETTLE  
AT LOW AREAS OR TRAVEL SOME DISTANCE ALONG THE GROUND TO IGNITION  
SOURCES WHERE THEY MAY IGNITE & FLASH BACK.

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

Spill Release Procedures:THIS MATERIAL IS CONSIDERED TO BE A WATER  
POLLUTANT AND RELEASES OF THIS PRODUCT

CT SHOULD BE PREVENTED.

ELIMINATE ALL OPEN FLAMES. STOP SOURCE OF THE LEAK. DIKE TO CONTAIN LIQUID. RECOVER BY PUMPING OR ABSORB WITH INERT ABSORBENT MATERIALS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL AREA. KEEP CONTAINERS TIGHTLY CLOSED.

Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE. DO NOT PRESSURIZE, CUT, WELD OR EXPOSE TO HEAT, FLAME, STATIC ELECTRICITY, OR OTHER

SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED OR WHEN SPRAYING OR USING IN CONFINED SPACES.

Ventilation:USE THIS MATERIAL ONLY IN WELL VENTILATED AREAS.

Protective Gloves:PVC

Eye Protection:GOGGLES

Other Protective Equipment:WEAR PROTECTIVE CLOTHINGS.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING THIS PRODUCT.

Supplemental Safety and Health  
NONE

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

HCC:F4

Boiling Pt:B.P. Text:340F,171C

Vapor Pres:1

Evaporation Rate & Reference: