

FARMLAND INDUSTRIES INC. PETROLEUM DIVISION -- #1 DISTILLATE FUEL, Y GRADE, FUEL OIL --
9140-00-286-5286

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

Product ID:#1 DISTILLATE FUEL, Y GRADE, FUEL OIL

MSDS Date:01/17/1994

FSC:9140

NIIN:00-286-5286

MSDS Number: BTSFM

=== Responsible Party ===

Company Name:FARMLAND INDUSTRIES INC. PETROLEUM DIVISION

Box:7305

City:KANSAS CITY

State:MO

ZIP:64116-0005

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 DISTILLATE

Fraction by Wt: >98%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 OIL MIST

ACGIH TLV

:5 MG/M3 OIL MIST

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III)

CAS:95-63-6

RTECS #:DC3325000

Fraction by Wt: 1.1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM; 9394

===== 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:PRACTIC

ALLY

NON-TOXIC; HOWEVER, IF ASPIRATED INTO LUNGS IT MAY CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. CHRON IC:DERMATITIS.

Explanation of Carcinogenicity:WHOLE DIESEL ENGINE EXHAUST IS LISTED AS A PROBABLE CARCINOGEN BY IARC AND NIOSH.

Effects of Overexposure:SKIN:IRRITATION, DRYING EFFECT. INHALATION: HEADACHE, DIZZINESS, VERTIGO, WEAKNESS AND LOSS OF COORDINATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====
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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 =====
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Flash Point Method:TCC

Flash Point:120F,49C

Lower Limits:0.7

Upper Limits:5.0

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:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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===== Accidental Release Measures =====
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Spill Release Procedures:THIS

MATERIAL IS CONSIDERED TO BE A WATER

POLLUTANT AND RELEASES OF THIS PRODUCT 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

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

Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE. DO NOT PRESS

URIZE,
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 Protect

ive 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: