

FARMLAND INDUSTRIES INC. PETROLEUM DIVISION -- 2 DISTILLATE FUEL,X GRADE --
9140-00-286-5295

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

Product ID:2 DISTILLATE FUEL,X GRADE

MSDS Date:02/22/1991

FSC:9140

NIIN:00-286-5295

MSDS Number: BQMCF

=== Responsible Party ===

Company Name:FARMLAND INDUSTRIES INC. PETROLEUM DIVISION

Box:7305

City:KANSAS CITY

State:MO

ZIP:64116-0005

Country:US

Info Phone Num:316-251-4

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Emergency Phone Num:316-251-4000/800-424-9300(CHEMTREC)

Preparer's Name:DANIEL B. (ILLEGIBLE)

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: 98.9%

Other REC Limits:100 MG/M3 (MFR)

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; 9293

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: MILD EYE AND SKIN IRRITATION,
HARMFUL IF INHALED, MAY BE HARMFUL IF ABSORBED THROUGH SKIN, MAY
CAUSE D

IZZINESS AND DROWSINESS, ASPIRATION HAZARD IF SWALLOWED.

CHRONIC: DERMATITIS, DEGENERATIVE CHANGES IN LIVER AND KIDNEYS.

Explanation of Carcinogenicity:NOT APPLICABLE. NIOSH RECOMMENDS THAT
WHOLE DIESEL EXHAUST BE REGARDED AS A POTENTIAL OCCUPATIONAL
CARCINOGEN.

Effects of Overexposure:INHALATION: COUGHING, WHEEZING, SHORTNESS OF
BREATH, DIZZINESS, NAUSEA, VOMITING, HEADACHE. EYES: REDNESS,
TEARING, BLURRED VISION, DISCOMFORT. SKIN: REDNESS, BLISTERING,
SWELLING. INGESTI

ON: NAUSEA, DIARRHEA, VOMITING, ABDOMINAL
DISCOMFORT.

Medical Cond Aggravated by Exposure:SKIN CONTACT MAY AGGRAVATE AN
EXISTING DERMATITIS.

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

First Aid:EYE: FLUSH WITH LOTS OF WATER 15 MINUTES. SEE DOCTOR. SKIN:
REMOVE CONTAMINATED CLOTHING, FLUSH WITH WATER FOR 15 MINUTES. GET
MEDICAL ATTENTION. INHALED: REMOVE FROM EXPOSURE. RESUSCITATE OR
GIVE OXY GEN IF NEEDED THEN GET MEDICAL ATTENTION. INGESTED: DO N
OT
INDUCE VOMITING. GET MEDICAL ATTENTION. IF ANY IRRITATION PESISTS
OR IS SEVERE, GET MEDICAL CARE.

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

Flash Point Method:PMCC

Flash Point:140F,60C

Autoignition Temp:Autoignition Temp Text:494F

Lower Limits:0.6

Upper Limits:7.5

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.
WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS,
ESPECIALLY IN ENCLOSE

D AREAS. WATER SPRAY MAY BE USED TO COOL FIRE EXPOSED CONTAINERS AND EQUIPMENT.

Unusual Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR. CAN TRAVEL A LONG DISTANCE ALONG GROUND AND FLASHBACK. CONTAINERS CAN EXPLODE WITH HEAT OF FIRE.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. USE SCBA OR SUPPLIED AIR IN CONFINED AREAS. CONTAIN SPILL. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. P

REVENT ENTRY INTO

SEWERS AND WATERWAYS. AVOID CONTACT WITH SKIN, EYES, CLOTHING.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, FLAMES OR OXIDIZERS. KEEP CONTAINERS CLOSED. USE WITH ADEQUATE VENTILATION. NEVER SYPHON BY MOUTH.

Other Precautions:FOR USE AS A MOTOR FUEL ONLY. NOT FOR USE IN SPACE HEATERS OR AGRICULTURAL SPRAYS. "EMPTY" CONTAINERS CAN BE HAZARDOUS. DO NO

T CUT OR WELD. DO NOT PRESSURIZE OR EXPOSE TO OPEN FLAME OR HEAT. EXPLOSION MAY OCCUR.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE SCBA OR SUPPLIED AIR RESPIRATOR IF A LARGE SPILL OCCURS OR SPILL IS IN CONFINED SPACE OR ENCLOSED AREA.

Ventilation:LOCAL EXHAUST IS RECOMMENDED IF GENERATING MIST OR VAPOR, PARTICULARLY IN ENCLOSED AREAS.

Protective Gloves:NITRILE GLOVES.

Eye Protection:CHEMICAL-TYPE GOGGLES OR FACESHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS UNIFORMS OR COVERALLS. EYE WASH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. DRY CLEANING OF CONTAMINATED CLOTHING MAY BE MORE EFFECTIVE THAN NORMAL LAUNDERING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: ASPIRATION DURING EMESIS CAN DAMAGE LUNGS. TO EVACUATE STOMACH USE GASTRIC LAVAGE AFTER ENDOTRACHEAL INTUBATION.

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

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HCC:F4

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

Vapor Pres:1

Spec Gravity:0.8654

Viscosity:3 CST @ 104F

Evaporation Rate & Reference: