

FARMLAND INDUSTRIES INC. PETROLEUM DIVISION -- 1 DISTILLATE FUEL,Y GRADE --
9140-00-286-5287

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

Product ID:1 DISTILLATE FUEL,Y GRADE

MSDS Date:02/22/1991

FSC:9140

NIIN:00-286-5287

MSDS Number: BQMBL

=== 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

000

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:ALIPHATIC PETROLEUM SOLVENT

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: >98%

Other REC Limits

:5 MG/M3 IF MISTING

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 DIZZINESS 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. INGESTION: 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 ATT

ENTION. INGESTED: DO NOT

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:TCC

Flash Point:120F,49C

Autoignition Temp:Autoignition Temp Text:494F

Lower Limits:0.7

Upper Limits:5.0

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 ENCLOSED 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. PREVENT 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 NOT 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 Pr

operties =====

HCC:F4

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

Vapor Pres: