

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

Product ID:DISTILLATE FUELS

MSDS Date:02/01/1989

FSC:9130

NIIN:00-359-2026

MSDS Number: BQWKZ

=== Responsible Party ===

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

Box:7305

City:KANSAS CITY

State:MO

ZIP:64116-0005

Country:US

Info Phone Num:316-251-4000

Emergency Phone Num:316-251-4000

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 DISTILLATE

CAS:68476-30-2

Fraction by Wt: >95%

Other REC Limits:NONE RECOMMENDED

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

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

Reports of

Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:VAPORS MAY CAUSE DIZINESS OR ASPHYXIATION. INGESTION CAN CAUSE IRRITATION, NAUSEA, VOMITING. ASPIRATION INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS. CHRONIC:NOT PROBABLE.
Explanation of Carcinogenicity:PRODUCTS OF SIMILAR COMPOSITION CAUSED WEAK - MODERATE POSITIVE MOUSE SKIN CANCER, MIXED RESULTS IN MUTAGENICITY.
Effects of Overexposure:IRRITATION OF EYES AND SKIN. DERMATITIS IS POSSIBLE.
Medical Conditions Aggravated by Exposure:RESPIRATORY ILLNESSES

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

First Aid:IF OVERCOME BY VAPORS, REMOVE TO FRESH AIR AND GIVE OXYGEN. EYE AND SKIN EXPOSURES SHOULD BE WASHED WITH LARGE AMOUNTS OF WATER. IF INGESTED, DO NOT INDUCE VOMITING. KEEP WARM AND GET MEDICAL HELP.

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

Flash Point Method:PMCC
Flash Point:#100F,38C
Lower Limits:0.7
Upper Limits:5.0
Extinguishing Media:DRY CHEMICAL, FOAM OR FOG, WATER SPRAY AND CARBON DIOXIDE
Fire Fighting Procedures:COOL CONTAINERS WITH WATER, WATER OR FOAM SPRAYED INTO CONTAINERS OF HOT BURNING PRODUCT COULD CAUSE FROTHING AND ENDANGER FIRE FIGHTERS.
Unusual Fire/Explosion Hazard:EMPTY CONTAINERS CAN EXPLODE WHEN HEAT IS APPLIED. VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL ALONG GROUND/FLOOR, THEN 'FLASH BACK' FROM DISTANT IGNITION SOURCE.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. STOP LEAK IF POSSIBLE. DIKE AREA TO CONTAIN SPILL AND PREVENT RUN-OFF TO STREAMS, SEWERS, ETC. PUMP MATERIAL TO SALVAGE VESSEL.
Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY MFR.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT SPARKS AND OPEN FLAME.
Other Precautions:NONE

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

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Respiratory Protection:CHEMICAL CARTRIDGE RESPIRATOR IF VAPOR
CONCENTRATION EXCEEDS TLV.
Ventilation:EXPLOSION PROOF IF NEEDED TO MAINTAIN EXPOSURES BELOW TLV.
Protective Gloves:NEOPRENE, OR NITRILE, OTHER RESISTANT
Eye Protection:SPLASH PROOF CHEMICAL SAFETY GOGGLES
Other Protective Equipment:"WHERE OPERATIONS AND EXPOSURE WARRANT."
Work Hygienic Practices:MFR: ? HMIS:USE GOOD INDUSTRIAL HYGIENE
PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING
OR DRINK
ING.
Supplemental Safety and Health
KEY2:KT MSDS IS SKETCHY. THEY CITE ASHLAND PETROLEUM CO AS SOURCE OF
CARCINOGENICITY INFO, HMIS SUPPLIED THE YES/NO CARCINOGENS. FIELDS
STARTING WITH "#" INDICATE THAT THE INFORMATION WAS TAKEN FROM THE
SPECIFICATION RATHER THAN THE MSDS.

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

HCC:F4
NRC/State Lic Num:NONE
Boiling Pt:B.P. Text:#