

CENEX/LAND O LAKES AG SERVICES -- FUEL OIL NO 2 -- 9140-00-247-4365

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Product Identification
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Product ID:FUEL OIL NO 2

MSDS Date:07/01/1987

FSC:9140

NIIN:00-247-4365

MSDS Number: BLXGJ

=== Responsible Party ===

Company Name:CENEX/LAND O LAKES AG SERVICES

Box:1450

City:MINNEAPOLIS

State:MN

ZIP:55485-9087

Country:US

Info Phone Num:612-451-5151

Emergency Phone Num:612-451-5151

CAGE:KO281

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== Contractor Identification ==

Company Name:CENEX/LAND O LAKES AG SERVICES

Address:NW 9087

Box:1450

City:MINNEAPOLIS

State:MN

ZIP:55485-9087

Country:US

Phone:612-451-5151

CAGE:KO281

Company Name:CENEX/LAND O'LAKES AG SERVICES

Box:64089

City:ST PAUL

State:MN

ZIP:55164-0089

Country:US

Phone:612-451-5151

CAGE:0LMC0

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Composition/Information on Ingredients
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Ingred Name:COMPLEX MIXTURE OF PARAFFINIC,OLEFINIC,NAPHTHENIC &
AROMATIC HYDROCARBON

Fraction by Wt: > 95%

Ot

her REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3 OIL MISTS
ACGIH TLV:5 MG/M3 OIL MISTS

Ingred Name:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: < 0.01%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1PPM/5STEL;1910.1028
ACGIH TLV:10 PPM; A2; 9192
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:KEROSENE 1-K
CAS:64742-71-0
Fraction by Wt: 0.04%MAX
Other REC Limits:NONE SPECIFIED

Ingred Name:DIESEL FUEL OIL #1D,#2D & FIELDMASTER/TQ4
Fraction by Wt: < 0.5%
Other REC Limits:NONE SPECIFIED

Ingred Name:DIESEL FUEL ADDITIVE
Fraction by Wt: 0.2%
Other REC Limits:NONE SPECIFIED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHED.

===== 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-INHALED:IRRITATES RESPIRATORY
TRACT,HEADACHE,NAUSEA,DIZZINESS,STUPOR,CONVULSION,UNCONSCIOUSNESS.E
YES:IRRITATION.SKIN:PROLONGE
D/REPEATED CONTACT CAN CAUSE
DEFATTING,IRRITATION,DERMATITIS.INGESTION:KEROSENE CAN IRRITATE
MOUTH,THROAT & DIGESTIVE TRACT.ASPIRATION INTO THE LUNG CAUSES
HEMORRHAGE.CHRONIC-DERMATITIS.
Explanation of Carcinogenicity:CAUTION! CONTAINS TRACE AMOUNTS (100
PPM) OF BENZENE.
Effects of Overexposure:SYMPTOMS OF INTOXICATIONS ARE
HEADACHE,DIZZINESS,NAUSEA,VOMITING,STOMACH IRRITATION,MILD
EXCITATION,CONVULSION,CYANOSIS.ASPIRATION HAZARD IF VOMITING
OCCURS.MIDDLE DISTILLATES

HAVE CAUSED SKIN CANCER & KIDNEY DAMAGE
IN LABORATORY ANIMALS WHEN REPEATEDLY APPLIED & NEVER WASHED FROM
THE SKIN.WASHING GREATLY REDUCED RISK.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE
MORE SUSCEPTIBLE TO THIS MATERIAL.

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

First Aid:GET MEDICAL CARE.INHALATION:REMOVE TO FRESH AIR.PROVIDE
CPR/OXYGEN IF NEEDED.EYE:FLUSH WITH WATER FOR 15 MINUTES KEEPING
EYELID OPEN.SKIN:WASH WITH
H SOAP & WATER.INGESTION:DO NOT INDUCE
VOMITING.ASPIRATION HAZARD.IF SPONTANEOUS VOMITING OCCURS,KEEP
HEAD LOWER THAN HIPS TO PREVENT PULMONARY ASPIRATION.

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

Flash Point:100F,38C
Autoignition Temp:Autoignition Temp Text:>410F
Lower Limits:0.6
Upper Limits:8.0
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL. A FORCED STREAM OF WATER COULD SCATTER FLAMES OF FIRE.
Fire Fighting Procedures:WEAR
FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. WATER RUNOFF TO SEWER
MAY CARRY COMBUSTIBLE FUELS & CREATE A FIRE/EXPLOSION.

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

Spill Release Procedures:REMOVE SOURCE OF HEAT,SPARKS,FLAME,FRICION &
ELECTRICITY,
INCLUDING INTERNAL COMBUSTION ENGINE.USE
EXPLOSION-PROOF EQUIPMENT TO CLEAN UP.DIKE SPILL.PREVENT LIQUID
FROM ENTERING SEWERS,WATERWAYS/LOW AREAS.SOAK UP WITH
SAWDUST,SAND,OIL DRY.SHOVEL/SWEEP

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

Handling and Storage Precautions:STORAGE-STORE IN COOL,DRY
WELL-VENTILATED AREA IN CLOSED CONTAINER AWAY FROM HEAT,IGNITION
SOURCES & OXIDIZERS.
Other Precautions:COMBUSTIBLE LIQUID. USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. GROUND AND BOND CONTAINERS TO PREVENT STATIC SPARKS. USE EXPLOSION-PROOF ELECTRICAL SERVICES.

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

Respiratory Protection: IN SITUATION WHERE VAPOR CONCENTRATIONS MAY EXCEED THE RECOMMENDED EXPOSURE LIMITS, A NIOSH-APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR SHOULD BE WORN. USE SELF-CONTAINED SUPPLIED-AIR RESPIRATOR FOR EMERGENCIES.

Ventilation: GENERAL DILUTION OR MECHANICAL VENTILATION/EXPLOSION-PROOF LOCAL EXHAUST TO KEEP VAPOR BELOW RECOMMENDED EXPOSURE LIMITS

Protective Gloves: NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL

Eye Protection: USE CHEMICAL SAFETY GOGGLES & FACESHIELD

Other Protective Equipment: EYE WASH STATION. BARRIER CREAMS SPECIFIC FOR PETROLEUM-BASED MATERIALS MAY BE USED WHEN GLOVES ARE IMPRACTICAL.

Work Hygienic Practices: DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT. WASH SKIN AFTER USING

PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

GROUND AND BOND ALL TRANSFER AND STORAGE EQUIPMENT TO PREVENT STATIC SPARKS AND EQUIP WITH SELF CLOSING VALVES, PRESSURE VACUUM BUNGS AND FLAME ARRESTERS. EMPTY CONTAINERS MAY CONTAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE TO HEAT, FLAME; THEY MAY EXPLODE.

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

HCC:F4

Boil

ing Pt: B.P. Text: 330F

Spec Gravity: 0.80

Solubility in Water: INSOLUBLE

Appearance and Odor: WATER WHITE TO YELLOW COLOR LIQUID WITH MILD PETROLEUM ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE AND A SMALL AMOUNTS OF SULFUR DIOXIDE (DEPENDI

NG ON SULFUR CONTENT).

===== Disposal Considerations =====

Waste Disposal Methods:WASTE MAY BE BURNED IN AN APPROVED INCINERATOR. TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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