

FARSTAD OIL INC. -- 1 DIESEL FUEL,1 HEATING OIL -- 9140-00-286-5289

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

Product ID:1 DIESEL FUEL,1 HEATING OIL

MSDS Date:01/01/1991

FSC:9140

NIIN:00-286-5289

MSDS Number: BQNPV

=== Responsible Party ===

Company Name:FARSTAD OIL INC.

Address:COUNTY ROAD 19N

Box:1842

City:MINOT

State:ND

ZIP:58702

Country:US

Info Phone Num:701-852-1194

Emergency Phone Num:701-852-1194/

800-424-9300(CHEMTREC)

CAGE:JO755

=== Contractor Identification ===

Company Name:FARSTAD OIL INC

Address:COUNTY RD 19 N

Box:1842

City:MINOT

State:ND

ZIP:58701

Country:US

CAGE:3R470

Company Name:FARSTAD OIL INC.

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State:ND

ZIP:58702

Country:US

Phone:701-852-1194

CAGE:JO755

===== Composition/Information on Ingredients =====

Ingred Name:DIESEL FUEL #1 (MIXTURE OF AROMATIC AND ALIPHATIC
HYDROCARBONS)

Fraction by Wt: >90%

Other REC Limit

s:NONE SPECIFIED
OSHA PEL:400 PPM (NAPHTHA)
ACGIH TLV:400 PPM (NAPHTHA)

Ingred Name:NAPHTHALENE (SARA III)
CAS:91-20-3
RTECS #:QJ0525000
Fraction by Wt: 3% APPRX
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 PPM/15 STEL
ACGIH TLV:10 PPM/15 STEL; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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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 Chro

nic:PRODUCT IS MILDLY IRRITATING TO BODY

TISSUES. BREATHING VAPORS MAY PRODUCE CENTRAL NERVOUS SYSTEM
DEPRESSION. LOW TOXICITY BY INGESTION, BUT MINUTE AMOUNTS ASPIRATED
INTO LUNGS MAY CAUSE SEVERE PULMONARY INJURY, EVEN DEATH.
NAPHTHALENE IS POTENTIAL IRRITANT TO EYES, SKIN, LUNGS, AND MAY
DAMAGE BLOOD, EYES AND KIDNEYS.

Explanation of Carcinogenicity:PRODUCT CAN CAUSE SKIN CANCER WHEN
REPEATEDLY APPLIED AND NEVER WASHED FROM ANIMAL'S SKIN.

Effects of Overexposure:EYES/S

KIN: MILD IRRITATION, POSSIBLE DERMATITIS

WITH PROLONGED/REPEATED CONTACT. INHALATION: RESPIRATORY
IRRITATION, NAUSEA, DIZZINESS, HEADACHE, FOLLOWED BY
UNCONSCIOUSNESS AND CONVULSIONS. INGESTED: LOW ORDER TOXICITY, G/I
IRRITATION, NAUSEA. LIQUID ASPIRATED INTO LUNGS AT INGESTION MAY
CAUSE SEVERE PULMONARY INJURY.

Medical Cond Aggravated by Exposure:PEOPLE WITH A SKIN DISORDER SHOULD
USE EXTRA CAUTION TO AVOID SKIN CONTACT WHEN HANDLING OR USING THIS
PRODUCT.

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

First Aid:EYE: FLUSH WITH WATER FOR 15 MINUTES, HOLD LIDS OPEN. IF
IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER.
REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. INHALATION:
REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR.
INGESTION: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL CARE. GIVE
NOTHING BY MOUTH IF UNCONSCIOUS.

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

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Flash Point Method:TCC

Flash Point:115F,46C

Autoignition Temp:Autoignition Temp Text:410F

Lower Limits:0.5

Upper Limits:6.0

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL OR VAPORIZING LIQUIDS. NOTE: WATER MAY BE INEFFECTIVE.

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 O

R HEAT OF FIRE MAY PRODUCE

HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. DO NOT ENTER CONFINED SPACES WITHOUT PROPER PROTECTIVE EQUIPMENT.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. MINOR: ABSORB IN INERT ABSROBENT AND PLACE IN APPROPRIATE DISPOSAL CONTAINERS. MAJOR: DIKE AND CONTAIN SPILL. SHUT OFF LEAKS. RECOVER LIQUID IF POSSIBLE OR ABSORB. USE EX PLOSION-PROOF EQUIPMENT.

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== Handling and Storage =====

Handling and Storage Precautions:DO NOT STORE OR HANDLE NEAR HEAT, SPARKS, FLAMES OR STRONG OXIDANTS. USE AND STORE IN COOL, WELL VENTILATED AREAS. ELECTRICALLY GROUND CONTAINERS.

Other Precautions:USE ONLY AS MOTOR FUEL OR FURNACE OIL. DO NOT WELD, HEAT OR DRILL EMPTY CONTAINER. REPLACE CAP OR BUNG. NOT FOR USE AS PRTABLE HEATER OR APPLIANCE FUEL. TOXIC FUMES MAY ACCUMULATE AND MAY CAUSE DEATH.

===== Exposure Control
s/Personal Protection =====

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ORGANIC VAPOR IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAIN ING TO RESPIRATOR USE.

Ventilation:NATUREAL OR GENERAL (MECHANICAL) VENTILATION. USE EXPLOSION PROOF ELECTRICAL EQUIPMENT.

Protective Gloves:NEOPRENE OR NBR.

Eye Protection:SPLASH GOGGLES OR FACESHIELD.

Other Protective Eq

Equipment:USE CHEMICAL RESISTANT APRON AND/OR OTHER PROTECTIVE CLOTHING AS NEEDED. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICES. AVOID PROLONGED/REPEATED CONTACT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

DIESEL EXHAUST IS A POTENTIAL CARCINOGENIC HAZARD TO HUMAN ACCORDING TO NIOSH.

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

HCC:F4

Boiling Pt:B.P. Text:330F,166C

Vapor Pres:2

Vapor Density:>1

Spec Gravity:0.81

Solubility in Water:INSOLUBLE.

Appearance and Odor:CLEAR LIQUID, PETROLEUM HYDROCARBON ODOR.

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS SUCH AS LIQUID CHLORINE, OXYGEN RICH AIR, HYPOCHLORITES.

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

Hazardous Decomposition Products:SMOKE, CARBON MONOXIDE, CARBON DIOXIDE
MAY BE FORMED DURING COMBUSTION.

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

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER MAKES NO SUGGESTIONS AS TO METHOD OF DISPOSAL. HMIS SUGGESTS THAT DISPOSAL MAY BE DONE BY INCINERATION. LIQUID IS RCRA IGNITABLE HAZARDOUS WASTE.

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