

MONTANA REFINING CO -- FUEL OIL NO 1 -- 9140-00-242-6749

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

Product ID:FUEL OIL NO 1

MSDS Date:06/27/1991

FSC:9140

NIIN:00-242-6749

MSDS Number: BPFSD

=== Responsible Party ===

Company Name:MONTANA REFINING CO

Address:1900 10TH ST

City:BLACK EAGLE

State:MT

ZIP:59414-1037

Country:US

Info Phone Num:406-761-4100/800-424-9300(CHEMTREC)

Emergency Phone Num:406-761-4100/8

00-424-9300(CHEMTREC)

CAGE:6E335

=== Contractor Identification ===

Company Name:MONTANA REFINING CO

Address:1900 10TH ST

Box:City:GREAT FALLS

State:MT

ZIP:59414-1099

Country:US

Phone:406-761-4100/800-424-9300(CHEMTREC)

CAGE:6E335

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

Ingred Name:ALIPHATIC PETROLEUM SOLVENT/KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: 95 - 99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM (MFR)

ACGIH TLV:300 PPM (MFR)

Ingred Name

:NAPHTHALENE (SARA III)

CAS:91-20-3

RTECS #:QJ0525000

Fraction by Wt: 1 - 5%

Other REC Limits:NONE RECOMMENDED

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 Chronic:ACUTE-IRRITATION OF EYES,SKIN & MUCOUS
MEMBRANES,DIZZINESS,HEADACHES,RESPIRA

TORY ARREST,COUGHING,IRREGULAR

HEARTBEAT,MENTAL CONFUSION,VOMITING,BLURRED VISION,FLUSHING OF
FACE,BLURRED SPEECH,DIFFICULTY IN

SWALLOWING,WEAKNESS,INSOMNIA,PSYCHOSIS,PAIN IN LIMBS,COMA &
CONVULSIONS.CHRONIC-POSSIBLE CANCER,LIVER,KIDNEY DAMAGE.

Effects of Overexposure:IRRITATION OF EYES, SKIN & MUCOUS MEMBRANES,
DIZZINESS, HEADACHES, RESPIRATORY ARREST, COUGHING, IRREGULAR
HEARTBEAT, MENTAL CONFUSION, VOMITING, BLURRED VISION, FLUSHING OF
FACE, BLURRED SPEECH, DIFF I

CULTY IN SWALLOWING, WEAKNESS,

INSOMNIA, PSYCHOSIS, PAIN IN LIMBS, COMA & CONVULSIONS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN

DISORDERS OR EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY
FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:CALL A PHYSICIAN IN ALL CASES.EYES:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.SKIN:WASH WITH S
OAP &

WATER.INHALED:REMOVE TO FRESH AIR & PROVIDE CPR/OXYGEN IF
NECESSARY.ORAL:DO NOT INDUCE VOMITING.CALL A PHYSICIAN
IMMEDIATELY.IF CONSCIOUS,DRINK WATER TO DILUTE.

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

Flash Point Method:TOC

Flash Point:110F,43C MIN

Autoignition Temp:Autoignition Temp Text:444F

Lower Limits:0.7%

Upper Limits:5.0%

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL AND HALON.
USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COO

L.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:FUMES, SMOKE, CARBON MONOXIDE, CARBON DIOXIDE IS FORMED. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL GREAT DISTANCE TO AN IGNITION SOURCE & FLASH BACK.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS.ELIMINATE ALL

SOURCES OF IGNITION.USE EXPLOSION-PROOF TOOLS.SHUT OFF FUEL SOURCE.DIKE SPILL.PREVENT LIQUID FROM ENTERING SEWERS/WATERWAYS.RECOVER FREE LIQUID.ADD SAND,EARTH OR OTHER ABSORBENT MATERIAL.TRANSFER TOCONTAINER.

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

Handling and Storage Precautions:STORAGE-STORE IN COOL,VENTILATED PLACE AWAY FROM HEAT,FLAME & OXIDIZERS.GROUND ALL EQUIPMENTS & STORAGE CONTAINERS.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE

DANGEROUS.DO NOT PRESSURIZE,CUT,WELD,BRAZE,SOLDER,DRILL,GRIND OR EXPOSE SUCH CONTAINERS TO HEAT,FLAME,SPARKS.THEY MAY EXPLODE AND CAUSE INJURY/DEATH.AVOID REPEATED OR PROLONGED CONTACT WITH SKIN.

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

Respiratory Protection:NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR ORGANIC VAPOR RESPIRATOR OR SUPPLIED-AIR RESPIRATOR, IF VAPOR CONCENTRATIONS EXCEED EXPOSURE LIMITS. USE IN WELL

VENTILATED AREA.

Ventilation:LOCAL/MECHANICAL (GENERAL) VENTILATION - EXPLOSION PROOF, WELL GROUNDED EQUIPMENTS

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES & FACE SHIELD

Other Protective Equipment:IMPERVIOUS CLOTHING TO AVOID SKIN AND EYE CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH HANDS AFTER USING PRODUCT. AVOID BREATHING VAPORS OR MISTS.

Supplemental Safety and Health

===== P

Physical/Chemical Properties =====

HCC:F4

Boiling Pt:B.P. Text:300F,149C

Vapor Pres:5 @ 100F

Vapor Density:4.5

Spec Gravity:0.8

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR TO YELLOW LIQUID - CHARACTERISTIC HYDROCARBON
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 Decomp

osition Products:FUMES, SMOKE, CARBON MONOXIDE, CARBON
DIOXIDE

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

Waste Disposal Methods:TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL
MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL
LAWS AND REGULATIONS.

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