

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

===== 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.

===== 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 NO T INDUCE VOMITING.CALL A PHYSICIAN
IMMEDIATELY.IF CONSCIOUS,DRINK WATER TO DILUTE.

===== 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 RETAI
N 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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