

MONTANA REFINING CO -- JET FUEL, JET A -- 9130-00-359-2026

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

Product ID:JET FUEL, JET A

MSDS Date:01/01/1987

FSC:9130

NIIN:00-359-2026

MSDS Number: BNBRP

=== Responsible Party ===

Company Name:MONTANA REFINING CO

Address:1900 10TH STREET

City:GREAT FALLS

State:MT

ZIP:59414-1099

Country:US

Info Phone Num:406-761-4100

Emergency Phone Num:406-761-4100/800-424-9300(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:NAPHTHALENE (SARA III)

CAS:91-20-3

RTECS #:QJ0525000

Fraction by Wt: 1-5% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 PPM/15 STEL

ACGIH TLV:10 PPM/15 STEL; 9192

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:AROMATIC HYDROCARBONS

CAS:70995-17-8

Fraction by

Wt: > 90% %

Other REC Limits:300 PPM TLVIED

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CHRONIC TOXICITY, POSSIBLE CANCER,  
IRRITATION TO EYES, SKIN AND MUCOUS MEMBRANES, PULMONARY EDEMA,  
BRONCHIAL PNEUMONIA, ASPHYXIATION, LIVER AND KIDNEY DAMAGE, ANEMIA  
OR MYOCAARDIAL  
DAMAGE.

Explanation of Carcinogenicity:NOT LISTED BY NTP, IARC OR OSHA, HOWEVER  
MFR STATES CANCER AS A POSSIBLE HEALTH HAZARD.

Effects of Overexposure:IRRITATION OF EYES, SKIN AND MUCOUS MEMBRANES,  
DIZZINESS, HEADACHES, RESPIRATORY ARREST, COUGHING, IRREGULAR  
HEARTBEAT, MENTAL CONFUSION, VOMITING, BLURRED VISION, FLUSHING OF  
FACE, SLURRED SPEECH, DI FFICULTY SWALLOWING, WEAKNESS, PAIN IN  
LIMBS, COMA, CONVULSIONS, INSOMNIA, PSYCHOSIS, TREMORS, EXAGGERATED  
REFLEXES

Medical C

ond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY SEEK MEDICAL  
ATTENTION. GIVE WATER TO DILUTE. INHALATION: MAINTAIN RESPIRATIONS,  
ASSIST IF NECESSARY. SEEK MEDICAL ATTENTION. EYES: FLUSH WITH WATER  
FOR 15 MINUTES. SEEK MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED  
CLOTHING. WASH SKIN WITH SOAP AND WATER. IF IRRITATION PERSISTS,  
SEEK MEDICA  
L ATTENTION.

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

Flash Point Method:TOC

Flash Point:110-165F

Autoignition Temp:Autoignition Temp Text:444F

Lower Limits:0.7 %

Upper Limits:5.0 %

Extinguishing Media:FOAM, DRY CHEMICAL, CARBON DIOXIDE, HALON

Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. USE  
WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. USE FOAM FOR SPILL  
CONTROL. EXTINGUISH ONLY IF FLOW CAN BE STOPPED.

Unusual Fire/Explosion Hazard:EVAC

UATE A RADIUS OF 1500 FEET FOR  
UNCONTROLLED FIRES. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL  
GREAT DISTANCES AND FLASH BACK.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. CONTAIN  
SPILL. USE WATER FOG TO SUPPRESS VAPOR CLOUD. USE SCBA TO AVOID  
BREATHING VAPORS. ABSORB LIQUID WITH SAND OR CLAY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====  
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Handling and Storage Precautions:ALL EQUIPMENT AND STORAGE CONTAINERS  
SHOULD BE PROPERLY GROUNDED. THIS MATERIAL SUBJECT TO OSHA AND DOT  
REGULATIONS.

Other Precautions:PORTABLE METAL CONTAINERS SHOULD BE BONDED TO THE  
STORAGE CONTAINER BEFORE TRANSFERRING LIQUID.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION  
IN AREAS EXCEEDING EXOSURE LIMITS, THE TYPE TO BE DETERMINED BY T  
HE  
DEGREE OF EXPOSURE.

Ventilation:USE IN WELL VENTILATED AREA. MECHANICAL EXHAUST SHOULD BE  
EXPLOSION PROOF.

Protective Gloves:RUBBER

Eye Protection:FACE SHIELD, GOGGLES, SAFETY GLASSES

Other Protective Equipment:COVERALLS, EMERGENCY EYEWASH/SHOWER

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT  
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

REMOVE CONTAMINATED CLOTHING AS SOON AS POSSIBLE.

===== Physical/Chemical Propert  
ies =====

HCC:F4

Boiling Pt:B.P. Text:300 - 550F

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:2 MMHG

Vapor Density:4.5

Spec Gravity:.80

Viscosity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR TO YELLOW LIQUID WITH CHARACTERISTIC  
HYDROCARBON SMELL

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:EXTREME

TEMPERATURES, SPARKS, OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH RCRA REGULATIONS. DO NOT PUT IN SEWERS OR ANY WATER COURSE.

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