

JET FUEL, JP-4

MSDS Number

BNCBB

National Stock Number

9130-00-256-8617

Product Name

JET FUEL, JP-4

Manufacturer

NAVAJO REFINING CO

Product Identification

Product ID: JET FUEL, JP-4

MSDS Date: 06/28/1991

FSC: 9130

NIIN: 00-256-8617

MSDS Number: BNCBB

Responsible Party

NAVAJO REFINING CO

501 E MAIN, DRAWER 159

ARTESIA, NM 88210-2067

US

Emergency Phone: 800-432-6866

Info Phone: 505-748-3311

Cage: 4K236

Contractor

NAVAJO REFINING COMPANY

159

ARTESIA, NM 88211-0159

US

505-748-3311

Cage: 4K236

Ingredients

AROMATIC/PARAFFINIC HYDROCARBONS

Fraction By Weight: >90%

BENZENE (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight:

OSHA PEL1PPM/5STEL;1910.1028

ACGIH TLV: 10 PPM; A2; 9192

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight:

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

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 & MUCOUS MEMBRANES, PULMONARY EDEMA, BRONCHIAL PNEUMONIA, ASPHYXIATION, LIVER AND KIDNEY DAMAGE, ANEMIA OR MYOCARDIAL DAMAGE.

Explanation of Carcinogenicity:PRODUCT IS NOT LISTED BY NTP OR IARC.

BENZENE IS LISTED AS A CONFIRMED HUMAN CARCINOGEN.

Effects of Overexposure:DIZZINESS, HEADACHES, RESPIRATORY ARREST, COUGHING, IRREGULAR HEARTBEAT, MENTAL CONFUSION, VOMITING, BLURRED VISION, FLUSHING OF FACE, SLURRED SPEECH, DIFFICULTY IN SWALLOWING, WEAKNESS, PAIN IN LIMB, COMA AND CONVULSION. ALSO, INSOMNIA, TOXICITY, PHYCHOSIS, TREMORS, EXAGGERATED TENDON REFLEXES.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INGESTION-DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION. GIVE WATER TO DILUTE, IF CONSCIOUS. INHALATION-MAINTAIN RESPIRATIONS, ASSIST WITH ARTIFICIAL RESPIRATION IF NEEDED & GIVE OXYGEN IF AVAILABLE & TRAINED TO DO SO. SEEK MEDICAL ATTENTION. IF LIQUID IS IN LUNGS SEEK MEDICAL CARE. EYES-FLUSH WITH WATER. SEEK MEDICAL CARE. SKIN-WASH WITH SOAP & WATER. IF IRRITATION PERSISTS SEEK MEDICAL CARE.

Fire Fighting

Flash Point Method:TOC

Flash Point:-10 TO 30F

Autoignition Temp:Autoignition Temp Text:464F

Lower Limits:1.3%

Upper Limits:8.0%

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

Fire Fighting Procedures:MOVE CONTAINERS FROM FIRE AREA IF POSSIBLE. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. USE FOAM FOR SPILL CONTROL.

Unusual Fire/Explosion Hazard:EVACUATE A RADIUS OF 1500 FT FOR UNCONTROLLED FIRES. VAPOR ARE HEAVIER THAN AIR & MAY TRAVEL GREAT DISTANCES & FLASH BACK. EXTINGUISH ONLY IF FLOW IS STOPPED.

Accidental Release

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.

Handling

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

Other Precautions:PORTABLE METAL CONTAINERS SHOPULD BE BONDED TO THE STORAGE CONTAINER BEFORE TRANSFERRING LIQUID. AVOID BREATHING VAPORS. EXTREMELY FLAMMABLE. DO NOT WELD ON CONTAINERS UNLESS PROPERLY CLEANED AND PURG ED USING SAFE WORK CONDITIONS.

Exposure Controls

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

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

Protective Gloves:RUBBER GLOVES

Eye Protection:FACE SHIELD, GOGGLES OR SAFETY GLASSES

Other Protective Equipment:HAVE EMERGENCY EYE WASH AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices:REMOVE CONTAMINATED CLOTHING AS SOON AS POSSIBLE. ALWAYS WASH AFTER HANDLING HAZARDOUS CHEMICALS.

Supplemental Safety and Health

REFER TO THE DEPARTMENT OF TRANSPORTATION (DOT) EMERGENCY RESPONSE GUIDEBOOK FOR ADDITIONAL EMERGENCY INFORMATION.

Chemical Properties

HCC:F2

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

Vapor Pres:75 MMHG

Vapor Density:4.5 AIR=1

Spec Gravity:0.8

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR LIQUID WITH CHARACTERISTIC HYDROCARBON SMELL.

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS.

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

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE.

Disposal

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

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