

## **JET FUEL JP-4**

### **MSDS Number**

BNCBT

### **National Stock Number**

9130-00-273-2380

### **Product Name**

JET FUEL JP-4

### **Manufacturer**

AMOCO OIL COMPANY

### **Product Identification**

Product ID: JET FUEL JP-4

MSDS Date: 04/14/1993

FSC: 9130

NIIN: 00-273-2380

MSDS Number: BNCBT

### **Responsible Party**

AMOCO OIL COMPANY

200 EAST RANDOLPH DRIVE MC 1408

CHICAGO , IL 60601-6401

US

Emergency Phone: 800-447-8735/800-424-9300(CHEMTREC)

Info Phone: 312-856-3907

Preparer: G. I. BRESNICK

Cage: 15958

### **Contractor**

AMOCO OIL CO

CHICAGO, IL 60601-6401

US

800 447-8735

Cage: 15958

### **Ingredients**

JET FUEL JP-4 (A WIDE BOILING ALIPHATIC AND AROMATIC

RTECS: NY9340000

Fraction By Weight: 100%

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: 22% %

OSHA PEL200 PPM/150 STEL

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

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

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 10% %

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

ETHYL BENZENE (SARA III)

CAS: 100-41-4

RTECS: DA0700000

Fraction By Weight: 2% %

OSHA PEL100 PPM/125 STEL

ACGIH TLV: 100 PPM/125STEL 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

BENZENE (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight: 4% %

OSHA PEL1PPM/5STEL;1910.1028

ACGIH TLV: 10 PPM; A2; 9192

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

CYCLOHEXANE (SARA III)

CAS: 110-82-7

RTECS: GU6300000

Fraction By Weight: 5% %

OSHA PEL300 PPM

ACGIH TLV: 300 PPM, 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

METHYL TERT-BUTYL ETHER (SARA III)

CAS: 1634-04-4

RTECS: KN5250000

Fraction By Weight: 7% %

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:EYE/SKIN/RESPIRATORY TRACT:IRRITATION.  
MOST HAZARDOUS IS EXPOSURE TO AIRBORNE MIST OR OTHER ASPIRATION  
INTO THE LUNGS. ONCE INTO THE LUNGS, THIS MATERIAL IS VERY  
DIFFICULT TO REMOVE AND CAN CAUSE DEATH. PROLONGED AND REPEATED  
EXPOSURES CAN CAUSE DAMAGES TO THE LIVER, KIDNEYS AND CENTRAL  
NERVOUS SYSTEM.

Explanation of Carcinogenicity:THIS MATERIAL CONTAINS BENZENE, A KNOWN  
CARCINOGEN.

Effects of Overexposure:EYE:MILD IRRITATION. SKIN:DRYING AND DEFATTING  
WITH PROLONGED CONTACT. INHALATION:HEADACHE, NAUSEA, LOSS OF  
APPETITE, WEAKNESS, LOSS OF COORDINATION, CONFUSION, DROWSINESS.  
ASPIRATION OF LIQUID MAY CAUSE CHEMICAL PNEUMONITIS.

INGESTION:GI/IRRITATION, NAUSEA, POSSIBLE VOMITING.

Medical Condition Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND  
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

## First Aid

First Aid:EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.  
GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING AND WASH  
WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. RESUSCITATE  
OR GIVE OXYGEN AS NEEDED-THEN GET MEDICAL HELP. INGESTION: GIVE  
MILK OR WATER BUT DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION AT  
ONCE.

## Fire Fighting

Flash Point Method:CC

Flash Point:-10F TO 30F

Autoignition Temp:Autoignition Temp Text:468F

Lower Limits:1.3 %

Upper Limits:8 %

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALOGENATED AGENTS,  
FOAM, STEAM, WATER FOG.

Fire Fighting Procedures:USE FULL FIRE FIGHTING GEAR WITH SCBA. THIS  
MATERIAL EVAPORATES QUICKLY EVEN AT VERY LOW TEMPERATURES AND IS AN  
EXTREME FIRE HAZARD. COOL NEARBY CONTAINERS.

Unusual Fire/Explosion Hazard:FORMS EXPLOSIVE MIXTURES WITH AIR. RAGS,  
PAPERS, AND OTHER COMBUSTIBLE ORGANIC MATTER MAY UNDERGO  
SPONTANEOUS COMBUSTION WHEN SOAKED WITH THIS FUEL.

## Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT, ELIMINATE SOURCES  
OF IGNITION, AND VENTILATE AREA AS REQUIRED. ABSORB SMALL SPILL  
WITH INERT MATERIAL OR DIKE TO RETAIN LARGE SPILL. PLACE WASTE IN  
DOT APPROVED CONTAINER FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA AWAY FROM SOURCES OF IGNITION OR OXIDIZERS. KEEP CONTAINER  
CLOSED WHEN NOT IN USE. PROTECT FROM DAMAGE.

Other Precautions:"EMPTY" CONTAINERS MAY CONTAIN RESIDUE AND/OR FUMES  
WHICH ARE EXPLOSIVE. DO NOT CUT, DRILL, WELD ETC. ON CONTAINERS.

## Exposure Controls

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS  
PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND  
NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE.

Protective Gloves:RUBBER OR HYDROCARBON RESISTANT GLOVES

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE

WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME NSN.

## Chemical Properties

HCC:F2

Boiling Pt:B.P. Text:250 - 549F

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

Vapor Pres:2-3 PSI

Vapor Density:NOT GIVEN

Spec Gravity:0.75-0.80

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID, FUEL OIL ODOR

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS SUCH AS NITRATES, CHLORATES, PERCHLORATES, HYPOCHLORITES.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS AND OPEN FLAMES.

Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. UNUSED OR SPILL CLEAN-UP MATERIAL WILL LIKELY BE A HAZARDOUS WASTE (CODE D001).

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