

## **AVIATION JP-4 3562790**

### **MSDS Number**

BPHZD

### **National Stock Number**

9130-00-256-8613

### **Product Name**

AVIATION JP-4 3562790

### **Manufacturer**

CHEVRON CHEMICAL CO AGRICULTURAL CHEMICAL DIV

### **Product Identification**

Product ID: AVIATION JP-4 3562790

MSDS Date: 03/24/1992

FSC: 9130

NIIN: 00-256-8613

MSDS Number: BPHZD

### **Responsible Party**

CHEVRON CHEMICAL CO AGRICULTURAL CHEMICAL DIV

575 MARKET ST

SAN FRANCISCO , CA 94119

US

Emergency Phone: 800-457-2022/ 510-233-3737

Info Phone: 800-457-2022/ 510-233-3737

Cage: 2H740

### **Contractor**

CHEVRON RESEARCH CO

RICHMOND, CA 94804

US

510-237-4411

Cage: 96004

### **Ingredients**

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

RTECS: NY9340000

Fraction By Weight: 100%

BENZENE (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight: < 0.7% %

OSHA PEL1PPM/5STEL;1910.1028

ACGIH TLV: 10 PPM; A2; 9293

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

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TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: < 2.0% %

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: < 2.0% %

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

ETHYL BENZENE (SARA III)

CAS: 100-41-4

RTECS: DA0700000

Fraction By Weight: < 0.9% %

OSHA PEL100 PPM/125 STEL

ACGIH TLV: 100 PPM/125STEL 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

CYCLOHEXANE (SARA III)

CAS: 110-82-7

RTECS: GU6300000

Fraction By Weight: < 0.5% %

OSHA PEL300 PPM

ACGIH TLV: 300 PPM, 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

CUMENE (SARA III)

CAS: 98-82-8

RTECS: GR8575000

Fraction By Weight: < 0.3% %

OSHA PELS, 50 PPM

ACGIH TLV: S, 50 PPM; 9293

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

NAPHTHALENE (SARA III)

CAS: 91-20-3

RTECS: QJ0525000

Fraction By Weight: < 0.1% %

OSHA PEL10 PPM/15 STEL

ACGIH TLV: 10 PPM/15 STEL; 9293

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

## 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 IRRITATION, SKIN IRRITATION,  
CENTRAL NERVOUS SYSTEM EFFECTS, ASPIRATION OF PRODUCT CAN LEAD TO  
PNEUMONIA.  
Explanation of Carcinogenicity:PRODUCT CONTAINS BENZENE WHICH IS LISTED  
AS A CARCINOGEN.  
Effects of Overexposure:TRANSIENT EYE IRRITATION, SKIN  
IRRITATION/PAIN/BURNING SENSATION/  
DISCOLORATION/SWELLING/BLISTERING, HEADACHE, DIZZINESS, LOSS OF  
APPETITE, WEAKNESS, LOSS OF COORDINATION, LUNG INJURY.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES. REMOVE CONTACT LENSES.  
SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN THOROUGHLY WITH SOAP  
AND WATER. SEE DOCTOR IF SYMPTOMS PERSIST. INHALATION: IF  
RESPIRATORY I RRRITATION OR CENTRAL NERVOUS SYSTEM EFFECTS OCCUR,  
MOVE TO FRESH AIR. IF SYMPTOMS CONTINUE, SEE A DOCTOR. INGESTION:  
DO NOT INDUCE VOMITING. GIVE WATER OR MILK AND CONTACT DOCTOR.

## Fire Fighting

Flash Point Method:PMCC  
Flash Point:-10 TO 30F  
Autoignition Temp:Autoignition Temp Text:464F  
Lower Limits:1.3 %  
Upper Limits:8.0 %  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM AND WATER FOG  
Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE  
SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. THIS MAY INCLUDE  
SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:EVAPORATES QUICKLY AND FORMS VAPORS WHICH  
CAN CATCH FIRE AND BURN WITH EXPLOSIVE VIOLENCE. VAPOR SPREADS AND  
CAN TRAVEL TO REMOTE IGNITION SOURCES.

## Accidental Release

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION IN VICINITY  
OF SPILL OR RELEASED VAPOR. CLEAN UP SPILLS IMMEDIATELY, USING  
PROPER PERSONAL PROTECTIVE EQUIPMENT. PREVENT PRODUCT FROM ENTERING  
DRAINAGE AND SEWER SYST EMS AND WATERWAYS. USE ABSORBENT MATERIALS.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED AREA. DO  
NOT USE OR STORE NEAT FLAME, SPARKS OR HOT SURFACES. KEEP CONTAINER  
CLOSED. REPALCE CAP OR BUNG.  
Other Precautions:DO NOT WELD, HEAT OR DRILL CONTAINER. EMPTIED  
CONTAINERS STILL CONTAIN HAZARDOUS OR EXPLOSIVE VAPOR OR LIQUID.

CAUTION! DO NOT USE PRESSURE TO EMPTY DRUM OR DRUM MAY RUPTURE WITH EXPLOSIVE FORCE.

## Exposure Controls

Respiratory Protection:NOT NORMALLY REQUIRED. IF OPERATING CONDITIONS CREATE HIGH AIRBORNE CONCENTRATIONS, THE USE OF AN APPROVED RESPIRATOR IS RECOMMENDED. REFER TO OSHA BENZENE STANDARD TO DETERMINE TYPE OF RESPIRATOR BASED ON EXPOSURE LEVELS.

Ventilation:RECOMMENDED

Protective Gloves:RECOMMENDED

Eye Protection:NOT NORMALLY REQUIRED

Other Protective Equipment:PROTECTIVE CLOTHING TO MINIMIZE SKIN CONTACT, EMERGENCY EYEWASH STATION AND SHOWER

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

Supplemental Safety and Health

DISCARD CONTAMINATED NON-WATERPROOF SHOES AND BOOTS. WASH CONTAMINATED CLOTHING BEFORE REUSE. NOTE TO PHYSICIAN: INGESTION OF THIS PRODUCT OR SUBSEQUENT VOMITING CAN RESULT IN THE ASPIRATION OF LIGHT HYDROCARBON LIQUID WHICH CAN CAUSE PNEUMONITIS.

## Chemical Properties

HCC:F2

Boiling Pt:B.P. Text:57 - 274C

Melt/Freeze Pt:M.P/F.P Text:<-58F,<-50C

Vapor Pres:2.3 - 2.9

Vapor Density:NOT GIVEN

Spec Gravity:0.75 - 0.80

Viscosity:4 CST

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:INSOLUBLE

Appearance and Odor:COLORLESS TO PALE AMBER LIQUID

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC.

Stability Condition to Avoid:SPARKS, OPEN FLAMES, IGNITION SOURCES

Hazardous Decomposition Products:CARBON DIOXIDE AND WATER VAPOR, CARBON MONOXIDE

## Disposal

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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