

CHEVRON ENVIRONMENTAL HEALTH CENTER INC. -- JET FUEL JP-4 -- 9130-00-256-8613

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Product Identification
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Product ID:JET FUEL JP-4

MSDS Date:08/29/1989

FSC:9130

NIIN:00-256-8613

MSDS Number: BDPGR

=== Responsible Party ===

Company Name:CHEVRON ENVIRONMENTAL HEALTH CENTER INC.

Address:15299 SAN PABLO AVE.

Box:4054

City:RICHMOND

State:CA

ZIP:94804-0054

Country:US

Info Phone Num:415-233-3737

Emergency Phone Num:415-233-3737

Preparer's Name:R. G. FARMER

CAGE:0AHD1

=== Contractor Identification ===

Company Name:CHEVRON ENVIRONMENTAL HEALTH CENTER INC

Address:15299 SAN PABLO AVE

Box:4054

City:RICHMOND

State:CA

ZIP:94804

Country:US

Phone:800-582-3835

CAGE:0AHD1

Company Name:CHEVRON PRODUCTS COMPANY LUBRICANTS AND SPECIALTY PRODUCTS

Address:6001 BOLLINGER CANYON RD

Box:City:SAN RAMON

State:CA

ZIP:94583

Country:US

Phone:800-414-6737 / 800-582-3835

CAGE:81230

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Composition/In

formation on Ingredients =====

Ingred Name:JET FUEL JP-4 (A WIDE BOILING ALIPHATIC AND AROMATIC
DISTILLATE) SEE THE FOLLOWING IDENTIFIABLE COMPONENTS.

RTECS #:NY9340000

Fraction by Wt: 100%

Other REC Limits:USAF 8HR TWA 200 PPM

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 22%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA III)

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: 2%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/125 STEL

ACGIH TLV:100 PPM/125STEL 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 4%

Other REC Limi

ts:NONE SPECIFIED
OSHA PEL:1PPM/5STEL;1910.1028
ACGIH TLV:10 PPM; A2; 9192
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CYCLOHEXANE (SARA III)
CAS:110-82-7
RTECS #:GU6300000
Fraction by Wt: 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM, 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III)
CAS:1634-04-4
RTECS #:KN5250000
Fraction by Wt: 7%
Other REC Limits:NONE SPECIFIED
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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=== Hazards Identification =====

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:G/I IRRITATION, NAUSEA, POSSIBLE VOMITING.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN

AND

RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures
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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

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Fire Fighting Measures
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Flash Point Method:CC

Flash Point:-10F,-23C

Lower Limits:1.3

Upper Limits:8

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM AND WATER FOG. (CLASS B EXTINGUISHING AGENTS)

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.

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Accidental Release Measures
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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

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Handling and Storage
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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.

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Exposure Controls/Personal Protection
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Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN IN

HALATION

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. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

DO NO PRESSURIZE "EMPTY" DRUMS. DO NOT USE THIS MATERIAL FOR A PORTABLE HEATER OR APPLIANCE FUEL.

===== Physical/Chemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:250F,121C

Vapor Pres:2-3PSI

Spec Gravity:0.75-0.80

Viscosity:4 CST @-34.4C

Solubility in Water:INSOLUBLE

Appearance and Odor:COLORLES

S TO PALE AMBER LIQUID

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

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 Considerations =====

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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