

ARCO PRODUCTS CO DIV OF ATLANTIC RICHFIELD CO -- MILITARY AVIATION TURBINE FUEL JP-4
-- 9130-00-256-8613

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Product Identification
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Product ID:MILITARY AVIATION TURBINE FUEL JP-4

MSDS Date:04/24/1992

FSC:9130

NIIN:00-256-8613

MSDS Number: BPBTW

=== Responsible Party ===

Company Name:ARCO PRODUCTS CO DIV OF ATLANTIC RICHFIELD CO

Address:1055 W 7TH ST

City:LOS ANGELES

State:CA

ZIP:90017-250

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Country:US

Info Phone Num:800-322-2726/213-484-5151,LA POISON

Emergency Phone Num:800-322-2726/800-424-9300(CHEMTREC)

CAGE:9V333

=== Contractor Identification ===

Company Name:ARCO PRODUCTS CO DIV OF ATLANTIC RICHFIELD CO

Address:333 S HOPE ST

Box:512570

City:LOS ANGELES

State:CA

ZIP:90071-0570

Country:US

Phone:213-486-0773/800-322-2726 INFO

CAGE:9V333

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Composition/Information on Ingredients
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Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction b

y Wt: < 0.1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1PPM/5STEL;1910.1028

ACGIH TLV:10 PPM; A2; 9293

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:NAPHTHA, HEAVY STRAIGHT RUN

CAS:64741-41-9

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM

Ingred Name:ALIPHATIC PETROLEUM DISTILLATE

CAS:64742-38-7

Fraction by Wt: 10 - 40%

Other REC Limits:NONE RECOMMENDED

Ingred Name:NAPHTHA, LIGHT ALIPHATIC

CAS:64742-89-8

Name:HYDROTREATED LIGHT PETROLEUM DISTILLATE

CAS:64742-47-8

Fraction by Wt: 10 - 20%

Other REC Limits:NONE RECOMMENDED

Ingred Name:KEROSENE

CAS:64742-81-0

Fraction by Wt: 10 - 15%

Other REC Limits:NONE RECOMMENDED

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III)

CAS:95-63-6

RTECS #:DC3325000

Fraction by Wt: .5 - 1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM; 9293

Ingred Name:HEXANE (N-HEXANE)

CAS:110-54-3

RTECS #:MN9275000

Fraction by Wt: 1 - 5%

Other REC Limits:NONE REC

COMMENDED

OSHA PEL:500 PPM

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE- HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO THE EYES & RESPIRATORY SYSTEM. MAY CAUSE HEADACHE, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS & DEATH. PROLONGED/REPEATED SKIN CONTACT LEADS TO IRRITATION & DERMATITIS.

LIQUID CAN IRRITATE EYES. CHRONIC- MAY CAUSE DERMATITIS & TOXIC TO LIVER & OTHER ORGANS.

Explanation of Carcinogenicity:THIS PRODUCT CONTAINS LESS THAN 0.1% BENZENE (PER MSDS).

Effects of Overexposure:HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO THE EYES & RESPIRATORY SYSTEM. MAY CAUSE HEADACHE, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS & DEATH. PROLONGED/REPEATED SKIN CONTACT LEADS TO IRRITATION & DERMATITIS. LIQUID CAN IRRIT

ATE
EYES.

Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid: GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: WASH WITH SOAP & WATER. EYE: FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED: REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. IF CONSCIOUS, DRINK WATER TO DILUTE.

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

Flash Point Method: TCC
Flash Point: 120F, 49C
Autoignition Temp: Autoignition Temp Text: 465F
Lower Limits: 1.3 %
Upper Limits: 8 %
Extinguishing Media: WATER SPRAY, CO2, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.
Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING AND

NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard: VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENTS. SHUT OFF & REMOVE IGNITION SOURCES. VENTILATE AREA. RECOVER FREE PRODUCT. ADD SAND, EARTH/OTHER SUITABLE ABSORBENT AND REMOVE FOR DISPOSAL. KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES. ADVISE AUTHORITIES IF ENTERED SEWERS.

===== Handling and Storage =====

Handling and Storage Precautions: STORAGE- STORE IN COOL, VENTILATED AREA, IN TIGHTLY CLOSED CONTAINERS, AWAY FROM HEAT, FLAMES & OXIDIZERS.
Other Precautions: AVOID BREATHING OF VAPORS. EMPTY CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND C

AN BE DANGEROUS. DO NOT
PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH
CONTAINERS TO HEAT, FLAM E, SPARKS -- THEY MAY EXPLODE.

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

Respiratory Protection:WEAR A NIOSH-APPROVED ORGANIC RESPIRATOR IF
VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL/TLV.
WEAR SELF-CONTAINED BREATHING APPARATUS IF REQUIRED FOR HIGH LEVELS
OF CONTAMINATES.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL E
XHAUST, EXPLOSION-PROOF)

VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE OR NATURAL RUBBER GLOVES

Eye Protection:SPLASH GOGGLES OR FACE SHIELD

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND
IMPERVIOUS CLOTHING

Work Hygienic Practices:USE WITH ADEQUATE VENTILATION. AVOID BREATHING
MIST. AVOID CONTACT WITH SKIN & EYES. WASH HANDS AFTER USE.

Supplemental Safety and Health

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

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HCC:F4

Boiling Pt:B.P. Text: 291F,144C

Melt/Freeze Pt:M.P/F.P Text: