

UNION OIL CO OF CALIFORNIA UNOCAL CHEMICALS DIV -- UNOCAL 76 AVIATION FUEL JET A --
9130-00-359-2026

===== Product Identification =====

Product ID:UNOCAL 76 AVIATION FUEL JET A

MSDS Date:05/09/1990

FSC:9130

NIIN:00-359-2026

MSDS Number: BQSDW

=== Responsible Party ===

Company Name:UNION OIL CO OF CALIFORNIA UNOCAL CHEMICALS DIV

Address:1201 W 5TH ST

Box:60455

City:LOS ANGELES

State:CA

ZIP:90060

Co

Country:US

Info Phone Num:213-977-7589

Emergency Phone Num:800-424-9300(CHEMTREC)/503-641-3222

CAGE:23034

=== Contractor Identification ===

Company Name:76 PRODUCTS CO

Address:1201 W 5TH ST

Box:City:LOS ANGELES

State:CA

ZIP:90017

Country:US

Phone:213-977-7589

CAGE:23034

Company Name:KAL-AERO INC

Address:5605 PORTAGE RD

Box:City:KALAMAZOO

State:MI

ZIP:49002-1721

Country:US

CAGE:6P604

===== Composition/Information on Ingredients =====

Ingred Name:KEROSENE

CAS:64742-81-0

Fraction

by Wt: 30-50%
Other REC Limits:NONE RECOMMENDED

Ingred Name:KEROSENE
CAS:8008-20-6
RTECS #:OA5500000
Fraction by Wt: 50-70%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM 9091

Ingred Name:DIPHENYL (BIPHENYL) (SARA III)
CAS:92-52-4
RTECS #:DU8050000
Fraction by Wt: 0-1.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.2 PPM
ACGIH TLV:0.2 PPM; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:NAPHTHALENE (SARA III)
CAS:91-20-3
RTECS #:QJ0525000
Fraction by Wt: 0-1.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM/15 STEL
ACGIH TLV:10 PPM/15 STEL; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE-MAY CAUSE MILD IRRITATION.
SKIN-MAY CAUSE SEVERE IRRITATION. INHALATION-BREATHING HIGH
CONCENTRATIONS MAY CAUSE IRRITATION OF THE NOSE & THROAT & SIG
NS OF
NERVOUS SYSTEM DEPRESSION. INGESTION-INGESTION OF EXCESSIVE
QUANTITIES MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT & SIGNS OF
NERVOUS SYSTEM DEPRESSION.
Explanation of Carcinogenicity:THIS MATERIAL IS A POSSIBLE HUMAN SKIN
CANCER HAZARD BASED ON TESTS WITH LABORATORY ANIMALS.
Effects of Overexposure:EYE-MAY CAUSE STINGING, TEARING AND REDNESS.
SKIN-REDNESS & BURNING, DRYING & CRACKING OF THE SKIN, & SEVERE
SKIN DAMAGE. INHALED-HEADACHE, DROWSINESS, DIZZINESS, LOSS O

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COORDINATION, & FATIGUE. INGESTION-HEADACHE, DROWSINESS, DIZZINESS, LOSS OF COORDINATION & FATIGUE. ASPIRATION HAZARD - LUNG INFLAMMATION OR DAMAGE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:FLUSH EYES WITH CLEAN WATER. SKIN:WIPE MATERIAL FROM SKIN, REMOVE CONTAMINATED CLOTHING, & FLUSH AREA WITH LARGE AMOUNTS OF WATER. INHALED:REMOVE FROM EXPOSURE. BEGIN ARTIFICI

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RESPIRATION OR GIVE OXYGEN IF NEEDED THEN GET MEDICAL ATTENTION. INGESTED:ASPIRATION HAZARD. DO NOT INDUCE VOMITING. IF VICTIM IS DROWSY/UNCONSCIOUS, PLACE ON LEFT SIDE WITH HEAD DOWN.GET MEDICAL ATTENTION IN ALL CASES

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

Flash Point Method:TCC

Flash Point:134F,57C

Autoignition Temp:Autoignition Temp Text:475F

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, FOAM OR WATER SPRAY IS RECOMMENDED.

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e Fighting Procedures:WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESPIRATORY PROTECTION. STOP SPILL IF IT CAN BE DONE WITHOUT RISK. AVOID SPREADING BURNING LIQUID WITH WATER.

Unusual Fire/Explosion Hazard:MATERIAL IS COMBUSTIBLE. VAPORS ARE HEAVIER THAN AIR, MAY ACCUMULATE IN LOW AREAS. IF CONTAINER IS NOT PROPERLY COOLED IT MAY EXPLODE IN HEAT OF FIRE.

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

Spill Release Procedures:KEEP ALL SOURCES OF IGNITION AWAY FROM

SPILL/RELEASE. STAY UP WIND AND AWAY FROM SPILL/RELEASE. ISOLATE HAZARD AREA AND LIMIT ENTRY. STOP RELEASE. SPILLED MATERIAL MAY BE ABSORBED INTO AN APPROPRIATE ABSORBENT MATERIAL. NOTIFY FIRE AUTHORITIES.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED. USE & STORE THIS MATERIAL IN COOL, DRY, WELL VENTILATED AREAS AWAY FROM HEAT & ALL SOURCES OF IGNITION

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Other Precautions:"EMPTY" CONTAINERS MAY CONTAIN RESIDUE AND/OR FUMES WHICH ARE EXPLOSIVE. DO NOT CUT, WELD, ETC. POST "NO SMOKING OR OPEN FLAME". BOND AND GROUND ALL EQUIPMENT WHEN TRANSFERRING MATERIAL.

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

Respiratory Protection:THE USE OF RESPIRATORY EQUIPMENT IS ADVISED WHEN CONCENTRATIONS EXCEED THE ESTABLISHED EXPOSURE LIMITS.

Ventilation:IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE, ADDITIONAL V

ENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

Protective Gloves:THE USE OF GLOVES IS ADVISED.

Eye Protection:APPROVED EYE PROTECTION IS RECOMMENDED.

Other Protective Equipment:IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE OWRK AREA FOR FLUSHING EYES AND SKIN.

Work Hygienic Practices:IMPERVIOUS CLOTHING SHOULD BE WORN. WASH AFTER HANDLING.

Supplemental Safety and Health
WARNING. COMBUSTIBLE LIQUID!!!

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

HCC:N1

Boiling Pt:B.P. Text:320-525F

Vapor Density:>1

Spec Gravity:0.82

Evaporation Rate & Reference: