

=====MSDS

Safety Information

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FSC: 9130 NIIN: 01-305-4097 MSDS Date: 06/30/1994 MSDS Num: BVYKJ

Submitter: D DG Tech Review: 12/14/1994 Status CD: C

Product ID: JET FUEL A MFN: 01
Article: N Kit Part: N

Responsible Party Cage: 0VZA7
Name: ULTRAMAR INC

Address: 1111 WEST OCEAN BLVD SUITE 1400 Box: 93102
City: LONG BEACH State: CA Zip: 90809-3102

Country: US
Info Phone Number: 310-495-5300/5832
Emergency Phone Number: 310-491-6795/310-435-5832

Preparer's Name: N/P

Proprietary Ind: N Review Ind: Y
Published: Y Special Project CD: N

=====Preparer

Co. when other than Responsible Party Co.

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Cage: 0VZA7 Assigned Ind: N

Name: ULTRAMAR INC
Address: 1111 WEST OCEAN BLVD SUITE 1400 Box: 93102
City: LONG BEACH State: CA Zip: 90809-3102

=====Contractor

Summary

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Cage:0VZA7 Name:ULTRAMAR INC
Address:1111 WEST OCEAN BLVD SUITE 1400 Box:93102
City:LONG BEACH State:CA Zip:90809-3102
Country:US Phone:310-495-5300

=====Item

Description Information

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Item Manager:

Item Name: TURBINE FUEL,AVIATION
Specification Number: ASTM D1655 Type/Grade/Class: JET A
Unit of Issue: GL Quantitative Expression:
UI Container Qty: X Type of Container: BULK

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Ingredients

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Cas: 8008-20-6

Code: M

RTECS #: OA5500000

Code: M

Name: ALIPHATIC PETROLEUM SOLVENT(JET FUEL A, C8-C16).

% Text: 99.83

Environmental Wt:

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

Code: M

OSHA
STEL:

Code:

ACGIH TLV: NOT ESTABLISHED

Code: M

ACGIH N/P
STEL:

Code:

EPA Rpt Qty:

DOT Rpt
Qty:

Ozone Depleting Chemical: N

Hazards Data

Health

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LD50 LC50 Mixture LD50 ORAL, RAT 25GM/KG

Route Of Entry Inds – Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds – NTP: NO

IARC: NO

OSHA: NO

Health Hazards Acute And Chronic

MAY IRRIT RESP TRACT & EYES. MAY DAMAGE NERVES & AFFECT CENTRAL NERVOUS SYSTEM.
INHAL: NARCOTIC, IRRIT UPPER RESP TRACT, HI CONCEN RESULTS IN CHEM PNEUITIS, CNS
DEPRESSION. SKIN: NO INFO AVAILABLE ON SIGNIFI CANT ADVERSE EFFECTS. CHRONIC
CONTACT: DEFAT, DRYNESS, DERM. INGEST: MOUTH/THROAT/STOMACEH, LUNG & KIDNEY DAMAGE.

Explanation Of Carcinogenicity

PER MSDS: CARCINOGEN STATUS: OSHA/NTP/IARC: NO. CARCINOGEN STATUS: NONE.

Signs And Symptions Of Overexposure

INHAL: LACK OF APPETITE, NAU, HEADACHE, WEAKNESS, DRUNKENESS, GIDDINESS, LUNG DAMAGE,
UNCONSCIOUSNESS, ANXIETY, NERVE DAMAGE. SKIN: REDNESS, SWELLING, LACK OF APPETITE.
INGEST: COUGHING, NAU, VOMIT, DIA RR, DIFFICULTY BREATHING, DRUNKENESS, BLUISH SKIN COLOR,
LUNG & KIDNEY DAMAGE. DEATH/FATAL. CNS DEPRESSION.

Medical Cond Aggravated By Exposure

PERSONS WITH CHRONIC SKIN OR RESP DISEASE. TARGET ORGANS: CENTRAL NERVOUS SYSTEM
DEPRESSANT.

First Aid

INHAL: REMOVE TO FRESH AIR. IMMED. PERFORM ART RESP IF NECESSARY. MAINTAIN AIRWAY, BLOOD
PRESSURE, RESP. KEEP WARM/@REST. TREAT SYMPTOMATICALLY/SUPPORTIVELY. QUAL MED PER SHOULD
CONSIDER GIVING OXY. SKIN: REMOVE CONTAMIN CLOTH/SHOES IMMED. WASH W/SOAP OR MILD
DETERGENT & LG AMTS OF WATER @ LEAST 15-20MINS. EYE: WASH IMMED W/LG AMTS OF WATER OR
NORMAL SALINE LIFTING EYELIDS @ LEAST 15-20MINS. INGEST: SEE SUPPLEM

Spill Release Procedures

SHUT OFF IGN SOURCES. STOP LEAK W/O RISK. USE WATERSPRAY TO REDUCE VAP. SM: TAKE UP
W/SAND/OTHER ABSORBENT MATL. PLACE INTO CNTNR. LG: DIKE FOR LATER DISPOSAL. NO
SMOKING/FLAMES/FLARES IN HAZ AREA. KEEP PEOPLE AWAY. ISOLATE AREA.

Neutralizing Agent

NOT APPLICABLE

Waste Disposal Methods

OBSERVE ALL LOCAL, STATE AND FEDERAL REGULATIONS WHEN DISPOSING OF THIS SUBSTANCE.DISPOSAL MUST BE IAW STANDARDS APPLICABLE TO GENERATORS OF HAZ WASTE 40CFR262. EPA HAZ WASTE #:D001. 100 LBS CERCLA SE C 103 RQ.

Handling And Storage Precautions

OBSERVE ALL FED/STATE/LOC REGS WHEN STORING SUBSTANCE.STORE IAW 29CFR1910.106.BOND/GROUND CNTNRS IAW NFPA77–1983,RECOMMENDED PRACT ON STATIC ELECTRICI

Other Precautions

STORE AWAY FROM INCOMPATIBLE SUBSTANCES.KEEP AWAY FROM ALL IGN SOURCES.AVOID BREATHING VAP/MIST.AVOID CONTACT W/EYES/SKIN/CLOTHING.KEEP CONTAINER TIGHTLY CLOSED.USE ONLY W/ADEQUATE VENTILATION.

===== Fire and
Explosion Hazard Information
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Flash Point Method: CC

Flash Point:

Flash Point Text: 120F,49C

Autoignition Temp:

Autoignition Temp Text: N/K

Lower Limits: 0.7

Upper Limits: N/K

Extinguishing Media

DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM.LG FIRES:WATER SPRAY, FOG OR REGULAR FOAM.FLAMM CLASS:II(OSHA)

Fire Fighting Procedures

MOVE CNTNR FROM FIRE W/O RISK.COOL CNTNR SIDES EXPO TO FLAMES W/WATER.HUGE FIRE IN CARGO:UNMANNED HOSE HOLDER/MONITOR NOZ.LEAVE IMMED IF RISING SOUND FROM VE

Unusual Fire/Explosion Hazard

MODERATE FIRE HAZ WHEN EXPO TO HEAT/FLAME.VAP HEAVIER THAN AIR;MAY TRAVEL CONSIDERABLE DISTANCE TO IGN SOURCE & FLASHBACK.VAP/AIR MIXTURES ARE EXPLO >FLASHPOINT

===== Control
Measures =====

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Respiratory Protection

WEAR SPECIFIC RESP BASED ON CONTAMIN LEVELS IN WORKPLACE,SPECIFIC OPERATOR,DOES NOT EXCEED WORKING LIMITS OF RESP & APPROVED BY NIOSH/MSHA.REQUIRED FOR FIREFIGHTING & OTHER IMMED DANGEROUS TO LIFE/HEA LTH CONDITIONS.

Ventilation

PROVIDE LOC EXHA/GEN DILUTION VENTI TO MEET PUBLISHED EXPO LIMITS.EXPLOSION–PROOF IF EXPLO CONCEN OF DUST/VAP/FUME PRESE

Protective Gloves

IMPERVIOUS GLOVES.

Eye Protection

SPLASH–PROOF,DUST–RESISTANT SAF GOGGLES

Other Protective Equipment

EYEWASH FOUNTAIN.WEAR APPROPRIATE PROT IMPERVIOUS CLOTH/EQPMT TO PREVENT SKIN CONTACT.

Work Hygienic Practices

WASH THOROUGHLY AFT HANDLING. WASH CONTAMIN CLOTH PRIOR TO REUSE.

Supplemental Safety and Health

1STAID:PREVENT ASPIRATION.GASTRIC LAVAGE W/CUFFED ENDOTRACHEAL TUBE IN PLACE SHOULD BE DONE W/IN 15MINS.ABSENCE OF DEPRESSION/CONVULSIONS/IMPAIRED GAG REFLEX,EMESIS CAN BE INDUCED USING SYRUP OF IPECA C W/O INCREASING HAZ OF ASPIRATION.TREAT SYMPTOMATICALLY/SUPPORTIVELY.IN ALL CASES GET MED ATTN.

Physical/Chemical Properties

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HCC: F4 NRC/State LIC No: N/R

Net Prop WT For Ammo:
Boiling Point: B.P. Text: >315F,>157C
Melt/Freeze Pt: M.P/F.P Text: -40F,-40C
Decomp Temp: Decomp Text: N/K
Vapor Pres: N/K Vapor Density: >1
Volatile Org Content %: Spec Gravity: 0.62

VOC Pounds/Gallon: PH: N/K
VOC Grams/Liter: Viscosity: N/K

Evaporation Rate & Reference: N/K
Solubility in Water: INSOLUBLE
Appearance and Odor: CLEAR,WHITE OR LIGHT STRAW-COLORED LIQUID WITH ODOR LIKE DEROSENE.

Percent Volatiles by Volume: NIL Corrosion Rate: N/K

Reactivity

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Stability Indicator: YES

Stability Condition To Avoid: AVOID CONTACT W/HEAT/SPARKS/FLAMES/OTHER SOURCES OF IGNITION.AVOID OVERHEATING CNTNRS.AVOID CONTAMIN OF WATER SOURCES.

Materials To Avoid: OXIDIZERS (STRONG):FIRE/EXPLOSION HAZARD.

Hazardous Decomposition Products: THERMAL DECOMP PROD MAY INCLUDE TOXIC OXIDES OF CARBON.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization NOT APPLICABLE

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Toxicological Information

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Toxicological Information:N/P

Ecological Information

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Ecological: N/P

=====MSDS

Transport Information

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Transport Information: N/P

=====Regulatory

Information

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Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

=====Other

Information

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Other Information: N/P

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