

COSMO OIL CO, LTD -- TURBINE FUEL, AVIATION GRADE JP4 -- 9130-00-256-8613

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Product Identification
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Product ID:TURBINE FUEL, AVIATION GRADE JP4

MSDS Date:10/03/1991

FSC:9130

NIIN:00-256-8613

MSDS Number: BPHJL

=== Responsible Party ===

Company Name: COSMO OIL CO, LTD

Address: 1-1-1, SHIBAURA, MINATO-KU

City: TOKYO 105, JAPAN

Info Phone Num: 03-3798-3155 (TOKYO)

Emergency Phone Num: 03-3798-31

55 (TOKYO)

CAGE: 0ADN4

=== Contractor Identification ===

Company Name: COSMO OIL CO, LTD

Address: 1-1-1, SHIBAURA, MINATO-KU

Box: City: TOKYO 105, JAPAN

Phone: 03-3798-3155 (TOKYO)

CAGE: 0ADN4

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Composition/Information on Ingredients
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Ingred Name: JP-4

Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

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

Health Hazards Acute and Chronic: LIQUID, MIS

T OR VAPORS CAN CAUSE EYE,

SKIN & RESPIRATORY TRACT IRRITATION AND CNS DEPRESSION. PROLONGED

OR REPEATED CONTACT WITH THIS MATERIAL MAY RESULT IN SKIN

ABSORPTION AND PRODUCE TOXIC EFFECTS. HIGH DOSAGE INHALATION OF

MATERIALS SIMILAR TO THE HEAVY NAPHTHA COMPONENT PRODUCED KIDNEY

DAMAGE IN LABORATORY ANIMALS.

Explanation of Carcinogenicity: THIS PRODUCT MAY CONTAIN A SMALL

QUANTITY OF BENZENE, WHICH HAS BEEN ASSOCIATED WITH CANCER IN

HUMANS.

Effects of Overexposure: INH

ALATION MAY CAUSE IRRITATION TO NOSE, THROAT, LUNGS AND MAY CAUSE DIZZINESS, LOSS OF COORDINATION, COMA AND DEATH. MODERATE SKIN IRRITATION MAY OCCUR UPON SHORT-TERM EXPOSURE. INGESTION MAY CAUSE N AUSEA, VOMITING, DIARRHEA AND RESTLESSNESS. LIQUID, MIST OR VAPORS CAN CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Medical Cond Aggravated by Exposure:PERSONNEL WITH PRE-EXISTING CENTRAL NERVOUS SYSTEM DISEASE, SKIN DISORDERS, CHRONIC RESPIRATORY DISEASES, OR IMPAIRED LIVER OR KIDNEY FUNCTION SHOULD AVOID EXPOSURES TO THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. FOR RESPIRATORY DISTRESS, GIVE AIR, OXYGEN, OR CPR IF NECESSARY. INGESTION: DO NOT INDUCE VOMITING. KEEP HEAD BELOW HIPS IF VOMITING OCCURS TO PREVENT ASP IRATION INTO LUNGS. GET MEDICAL ATTENTION IF REQUIRED IN ALL CASES.

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

Flash Point:NONE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMP OSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:CONTAIN SPILL. ELIMINATE SOURCES OF IGNITION. WEAR APPROPRIATE RESPIRATOR & PROTECTIVE CLOTHING. STOP FLOW OF SPILL. EVACUATE AREA. BLANKET WITH FOAM OR USE WATER FOG TO DISPERSE VAPORS. PADS OR ABSOR BENT MATERIALS CAN BE USED. REPORT LARGE SPILLS.

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

Handling and Storage Precautions:AVOID S

TATIC IGNITION HAZARD WHEN

TRANSFERRING MATERIAL. KEEP CONTAINERS CLOSED AND AWAY FROM HEAT & IGNITION SOURCES! DO NOT USE AS CLEANING AGENT.

Other Precautions:EMPTY CONTAINERS RETAIN SOME LIQUID/VAPOR RESIDUES; HAZARD PRECAUTIONS MUST BE OBSERVED WHEN HANDLING EMPTIES. KEEP OUT OF REACH OF CHILDREN! DO NOT USE ANY HYDROCARBON FUEL IN SPACES WITHOUT ADEQUATE VENTILATION. USE ONLY AS A FUEL.

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

Respiratory Pro

tection:A NIOSH/MSHA APPROVED ORGANIC VAPOR RESPIRATOR, SUPPLIED AIR, OR SELF-CONTAINED BREATHING APPARATUS (SCBA) MUST BE USED WHEN VAPOR CONCENTRATIONS EXCEED THE OCCUPATIONAL EXPOSURE LIMITS.

Ventilation:USE ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATIONS OF THIS MATERIAL BELOW THE OCCUPATIONAL EXPOSURE LIMITS.

Protective Gloves:WEAR OIL IMPERVIOUS (EG: NITRILE) GLOVES

Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD

Other Protective Equipment:OIL IMPERVIOUS INDUSTRIA

L WORK CLOTHING TO

MINIMIZE SKIN CONTACT. EYE BATH AND SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:USE GOOD PERSONAL HYGIENE. USE WATERLESS HAND CLEANER TO WASH EXPOSED SKIN. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

THE VARIABLE COMPOSITION MAKES IT IMPOSSIBLE TO SET A SPECIFIC EXPOSURE LIMIT FOR ALL COMPOSITIONS OF THIS MATERIAL. SPECIFIC EXPOSURE LIMITS FOR POTENTIAL COMPONENTS SUCH AS BENZENE SHOULD BE APPLIED BASED ON AIR MONI

TORING TO ASSURE EMPLOYEES ARE NOT EXPOSED TO EXCESSIVE VAPOR LEVELS OF COMPONENTS.

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

HCC:N1

Boiling Pt:B.P. Text:>140F,>60C

Melt/Freeze Pt:M.P/F.P Text:-78F,-61C

Spec Gravity:0.75

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH PETROLEUM ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condi

tion to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products:BURNING OR EXCESSIVE HEATING MAY
PRODUCE CARBON MONOXIDE AND OTHER HARMFUL GASES/VAPORS INCLUDING
OXIDES OF SULFUR.

===== Disposal Considerations =====

Waste Disposal Methods:MAXIMIZE PRODUCT RECOVERY FOR REUSE OR
RECYCLING. DISPOSE OF WASTE MATERIAL AS EPA "IGNITABLE HAZARDOUS
WASTE" (D001), UNLESS PROVEN OTHERWISE. USE APPROVED TREATMENT,

TRANSPORTERS & DISPOSAL SITES IN COMPLIANCE WITH ALL LAWS. MAY BE
INCINERATED.

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