

ESSO PETROLEUM CANADA, DIV IMPERIAL OIL LTD. -- TURBINE FUEL,AVIATION,WIDE CUT (JP-4)
-- 9130-00-256-8613

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

Product ID:TURBINE FUEL,AVIATION,WIDE CUT (JP-4)

MSDS Date:07/17/1989

FSC:9130

NIIN:00-256-8613

MSDS Number: BKSKY

=== Responsible Party ===

Company Name:ESSO PETROLEUM CANADA, DIV IMPERIAL OIL LTD.

Address:111 SAINT CLAIR AVENUE WEST

City:TORONTO

State:ON

C

Country:CA

Info Phone Num:416-969-5114

Emergency Phone Num:416-969-5114

CAGE:07218

=== Contractor Identification ===

Company Name:ESSO PETROLEUM CANADA, A DIVISION OF IMPERIAL OIL

Address:111 ST CLAIR AVE W

Box:City:TORONTO

State:ON

Country:5

Phone:416-968-5114

CAGE:07218

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

Ingred Name:DISTILLATES,STREIGHT RUN MIDDLE ***MFR RECOMMENDED TLV FOR
COMPOUND IS 100 PPM***

CAS:64741-44-2

RTECS #:LX3296000

Fraction by Wt: 0-40%

Oth

Other REC Limits:MFR: 100 PPM/FORMULA

OSHA PEL:50 PPM (HEXANE)

ACGIH TLV:50 PPM (HEXANE)

Ingred Name:NAPHTHA

CAS:64741-42-0

Fraction by Wt: 0-70%

Other REC Limits:NONE SPECIFIED

Ingred Name:REFORMATE NAPHTHA

CAS:68919-37-8

Fraction by Wt: 0-40%

Other REC Limits:NONE SPECIFIED

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Other REC Limits:NONE SPECIFIED

OSHA PEL:1PPM/5STEL;1910.1028

ACGIH TLV:10 PPM; A2; 9192

EPA Rpt Qty:10 LBS

E FUEL
RTECS #:NY9340000
Other REC Limits:USAF:200 PPM,STEL300

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS MILDLY IRRITATING TO BODY
TISSUES. BREATHING VAPORS MAY PRODUCE CENTRAL NERVOUS SYSTEM
DEPRESSION, AND PROLONGED AND/OR REPEATED SKIN CONTACT MAY CAUSE
DERMATITIS.

Explanation of Carcinogenicity:
MFR CITES BENZENE AS A COMPONENT WHICH
IS LISTED AS A CARCINOGEN. IT IS NOT LISTED AS AN INGREDIENT WITH
ANY % FIGURE.

Effects of Overexposure:EYE:IRRITATION, SKIN:MILD IRRITATION,POSSIBLE
DERMATITIS WITH PROLONGED/REPEATED CONTACT. INHALED:RESPIRATORY
IRRITATION, NAUSEA, DIZZINESS, HEADACHE. ASPIRATION OF LIQUID INTO
LUNGS MAY CAUSE CHEMIC AL PNEUMONIA. INGESTED:G/I
IRRITATION,NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:PEOPLE WITH A SKIN DISORDER SHOULD

USE EXTRA CAUTION TO AVOID SKIN CONTACT WHEN HANDLING OR USING THIS
PRODUCT.

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH
SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE
REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF
NECESSARY. INGESTED:D O NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES
OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY
MOUTH IF
UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A
DOCTOR.

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

Flash Point Method:COC

Flash Point:-0F,-18C

Lower Limits:0.6

Upper Limits:8.0

Extinguishing Media:USE FOAM, OR DRY CHEMICAL. WATER MAY PROVE
INEFFECTIVE, CAUSING FROTHING.

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

AY.

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

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. MINOR: ABSORB MATERIAL WITH CLAY, VERMICULITE, OR SIMILAR ABSORBENT MATERIAL. PLACE IN DISPOSAL CONTAINERS. MAJOR: DIKE & CONTAIN SPILL. SHUT OFF LEAKS. REMOVE LIQUID BY VACUUM OR ABSORBENT.

===== Handling and Storage ==
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Handling and Storage Precautions:USE EXPLOSION PROOF ELECTRICAL EQUIPMENT. STORE IN A COOL, VENTILATED WORK AREA. KEEP CONTAINERS CLOSED. DETACHED STORAGE IS PREFERABLE.

Other Precautions:'EMPTY' CONTAINERS MAY CONTAIN RESIDUE OR VAPOR. TREAT THEM WITH THE RESPECT DUE FULL ONES. DO NOT CUT,WELD,ETC. ON THEM. GROUND CONTAINERS BEFORE TRANSFERRING LIQUID. AVOID HAVING OPEN ELECTRICAL EQUIPMENT IN VAPOR AREAS.

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ORGANIC VAPOR IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED.

Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL

Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. WORK

CLOTHING AS NECESSARY TO PREVENT PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICES. AVOID PROLONGED/REPEATED CONTACT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health
MSDS NO. 000110

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

HCC:F2

Boiling Pt:B.P. Text:>104F,>40C

Spec Gravity:0.78

pH:UNKNON

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR TO PALE YELLOW LIQUID, PET

ROLEUM ODOR

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

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

Hazardous Decomposition Products: SMOKE, CARBON MONOXIDE, CARBON DIOXIDE
AND OTHER HYDROCARBON COMPOUNDS DURING COMBUSTION.

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

Waste Disposal Methods: DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL

REGULATIONS. MANUFACTURER MAKES NO SUGGESTION AS TO DISPOSAL
METHOD. HMIS SUGGESTS THAT DISPOSAL MAY BE DONE BY INCINERATION.

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