

ESSO PETROLEUM CANADA, A DIVISION OF IMPERIAL OIL -- KEROSENE TYPE AVIATION TURBINE FUEL -- 9130-00-753-5026

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

Product ID:KEROSENE TYPE AVIATION TURBINE FUEL

MSDS Date:08/02/1989

FSC:9130

NIIN:00-753-5026

MSDS Number: BLJKF

=== Responsible Party ===

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

Address:111 ST CLAIR AVE W

City:TORONTO

State:ON

Country:5

Info Phone Num:416-968-5114/416-968-4111

Emergency Phone Nu

m:416-968-4388/518-339-2145

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/LIGHT ATMOSPHERIC GAS OIL

CAS:64741-44-2

RTECS #:LX3296000

Fraction by Wt: 0 - 100%

Other REC Limits:NONE SPECIFIED

Ingred Name:NAPHTHA, HEAVY STRAIGHT RUN

/HEAVY NAPHTHA

CAS:64741-41-9

Fraction by Wt: 0 - 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES/LIGHT HYDROCRACKED
DISTILLATE

CAS:64741-77-1

Fraction by Wt: 0 - 60%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 AS OIL MIST

ACGIH TLV:5 MG/M3 AS OIL MIST

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

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

Health Hazards Acute and Chronic:ACUTE-EYE

:SLIGHT
IRRITATION.SKIN:PROLONGED/REPEATED CONTACT MAY CAUSE
IRRITATION,DERMATITIS(RASH).INHALED:RESPIRATORY TRACT IRRITATION &
CNS EFFECTS.CAUSES SUFFOCATION IF ALLOWED TO ACCUMULATE.INGESTE
D:LOW TOXICITY BUT ASPIRATION HAZARD.CHRONIC-KIDNEY
DISORDER/DAMAGE,BLOOD DISORDER.

Explanation of Carcinogenicity:DIESEL EXHAUST FUMES HAVE BEEN REPORTED
TO BE A POTENTIAL OCCUPATIONAL CARCINOGEN IN HUMAN(NIOSH-BUL50)

Effects of Overexposure:HIGH VAPOR CONCENTRATIONS ARE IRRITATING
TO THE
EYES, NOSE, THROAT AND LUNGS. MAY CAUSES HEADACHE, DIZZINESS,
ANESTHETIC AND CNS EFFECTS.

Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN, HEART, CNS
AND RESPIRATORY DISORDERS AS WELL AS IMPAIRED KIDNEY, LIVER AND
BLOOD DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:CALL A PHYSICIAN IN ALL CASES.EYES:FLUSH IMMEDIATELY WITH
WATER FOR 15 MINUTES HOLDING EYELIDS OPEN.SKIN:
WASH THOROUGHLY WITH
SOAP & WATER.INHALED:REMOVE TO FRESH AIR.GIVE CPR/OXYGEN IF
NEEDED.INGESTE D:DO NOT INDUCE VOMITING.KEEP AT REST.CALL A
PHYSICIAN.

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

Flash Point Method:COC
Flash Point:-40F,-40C
Lower Limits:0.6
Upper Limits:8.0
Extinguishing Media:CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. IF NO
FIRE,VENTILATE AND USE WATER SPRAY TO DISPERSE OR FOAM TO SUPPRESS
VAPORS.
Fire Fighting Procedures:WEAR NIOSH AP
PROVED SELF CONTAINED BREATHING
APPARATUS WITH FULL FACE MASK. WATER CAN BE USED TO COOL FIRE
EXPOSED CONTAINERS,STRUCTURES & TO PROTECT PERSONNEL.
Unusual Fire/Explosion Hazard:VAPOR MAY TRAVEL AND FLASH BACK. STATIC
ELECTRICITY MAY CAUSE IGNITION. WATER MAY CAUSE FIRE TO SPREAD.
VAPORS FORM FLAMMABLE OR EXPLOSIVE MIXTURES WITH AIR.

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

Spill Release Procedures:SHUT OFF FUEL SOURCE.DIKE SPILL.PREVENT LIQUID
FR

OM ENTERING SEWERS, WATERWAYS OR LOW AREAS. SOAK UP WITH SAWDUST, SAND, OIL DRY OR OTHER ABSORBENT MATERIAL. REMOVE SOURCE OF HEAT, SPARKS, FLAME, IMPACT, FRICTION, & ELECTRICITY. USE EXPLOSION-PROOF EQUIPMENTS.

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

Handling and Storage Precautions: STORAGE-STORE IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION REGULATIONS. KEEP CONTAINERS CLOSED.

Other Precautions: GROUND LINES, CONTAINERS AND OTHER EQUIPMENT DURING PRODUCT TRANSFER. MINIMIZE BREATHING VAPORS, MISTS, OR FUMES. AVOID PROLONGED/REPEATED CONTACT WITH SKIN. AVOID CONTACT WITH EYES. WASH HANDS THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING.

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

Respiratory Protection: NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR ORGANIC VAPOR RESPIRATOR.

Ventilation: LOCAL/MECHANICAL (GENERAL) VENTILATION - EXPLOSION PROOF, WELL GROUNDED EQUIPMENTS

Protective Gloves: NEOP

RENE, NITRILE-BUTADIENE RUBBER

Eye Protection: CHEMICAL SPLASH GOGGLES & FACE SHIELD

Other Protective Equipment: IMPERVIOUS CLOTHING TO AVOID SKIN AND EYE CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices: AVOID CONTACT WITH EYES, SKIN OR CLOTHING. LAUNDRY CONTAMINATED CLOTHING. DISCARD LEATHER GOODS.

Supplemental Safety and Health

EMPTY CONTAINER MAY CONTAIN TOXIC, FLAMMABLE/EXPLOSIVE RESIDUES OR VAPORS. DO NOT CUT, GRIND, DRILL, WELD OR REUSE THEM.

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

HCC: F1

Boiling Pt: B.P. Text: 284F, 140C

Vapor Density: 4

Spec Gravity: 0.81

Solubility in Water: INSOLUBLE

Appearance and Odor: WHITE OR PALE YELLOW LIQUID, PETROLEUM ODOR

Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, FLAMES AND STATIC CHARGES

Hazardous Decomposition Products

:FUMES, SMOKE, CARBON MONOXIDE AND
SULFUR OXIDES

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

Waste Disposal Methods:TREATMENT,STORAGE,TRANSPORTATION AND DISPOSAL
MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL
LAWS AND REGULATIONS.IF SPILL IS MADE INTO NAVIGABLE
WATERS..CONTACT THE NATIONAL RESPO NSE CENTER AT
800-424-8802,HIGHWAY SPILL-424-9300.

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