

PETRO-CANADA INC -- JET A/A-1 AVIATION TURBINE FUEL -- 9130-01-180-5540

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

Product ID:JET A/A-1 AVIATION TURBINE FUEL

MSDS Date:04/01/1992

FSC:9130

NIIN:01-180-5540

MSDS Number: BPPNZ

=== Responsible Party ===

Company Name:PETRO-CANADA INC

Address:150 6TH AVENUE

Box:2844

City:CALGARY

State:AB

Country:CA

Info Phone Num:403-296-3000

Emergency Phone Num:403-296-3000

CA

GE:38766

=== Contractor Identification ===

Company Name:PETRO-CANADA INC

Address:150 6TH AVENUE

Box:2844

City:CALGARY

State:AB

Country:CA

Phone:403-296-3000

CAGE:38766

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

Ingred Name:COMPLEX MIXTURE OF PETROLEUM HYDROCARBONS

Fraction by Wt: >99.9%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:ANTI-STATIS ADDITIVES, ANTIOXIDANT, METAL DEACTIVATOR.

Fraction by Wt: 0.1%

Other REC Limits:NONE RECO

MMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS >1500 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN OR EYES: VAPORS OR MISTS MAY IRRITATE EYES. INGESTION: OVEREXPOSURE DUE TO INGESTION, IS UNLIKELY FOR ADULTS SINCE TASTE AND SMELL LIMIT THE AMOUNT SWALLOWED. HARMFUL OR FATAL IF SWALLOWED.

Explanation of Carcino

genicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:INHALATION: INHALATION OF VAPORS OR MIST WILL CAUSE HEADACHE, NAUSEA, DIZZINESS AND INTOXICATION. SKIN AND EYES: DEFATTING OR DRYING OF SKIN. PROLONGED EXPOSURE TO SKIN MAY CAUSE CHAPPING, CRACKING OR POSSIBLY DERMATITIS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid

Measures =====

First Aid:SKIN-REMOVE CONTAMINATED CLOTHING. SOAP AND WATER WASH. EYES-COPIOUS WARM WATER FLUSH - 15 MIN. IF EYE INFLAMMED, CALL PHYSICIAN. INHALATION-EVACUATE TO FRESH AIR. APPLY CPR IF REQUIRED. ADMINISTER OX YGEN IF AVALIABLE. IF RESUSCITATION REQUIRED, PHYSICIAN ASSESSMENT MANDATORY. INGESTION-DO NOT INDUCE VOMITING. IF VOMITING, TAKE CARE TO PREVENT ASPIRATION. GIVE 250 ML OF MILK TO DRINK.

===== Fire Fighting Meas

ures =====

Flash Point Method:COC

Flash Point:100F,38C

Autoignition Temp:Autoignition Temp Text:224C

Lower Limits:0.6

Upper Limits:5.0

Extinguishing Media:DRY CHEMICAL AND CARBON DIOXIDE FOR SMALL FIRES. WATER SPRAY OR FOAM FOR LARGE FIRES.

Fire Fighting Procedures:USE FULL PROTECTIVE EQUIPMENT AND SELF CONTAINED BREATHING APPARATUS. COVER WITH EXTINGUISHING AGENT. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:TREAT AS COMBUSTIBLE LIQU

ID. DO NOT CUT,  
DRILL OR WELD EMPTY CONTAINERS. DO NOT POINT SOLID WATER STREAM  
DIRECTLY INTO BURNING PRODUCT TO AVOID SPREADING FIRE.

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

Spill Release Procedures: AVOID CONTACT. USE FULL PROTECTIVE EQUIPMENT &  
BREATHING APPARATUS. ELIMINATE IGNITION SOURCES. CONTAIN SPILL.  
ABSORB WITH INERT ABSORBENT OR RECOVER USING ELECTRICALLY GROUNDED  
EXPLOSION-PROOF PUMPS. PLACE USED RAGS INTO CONTAINER. DO  
NOT FLUSH.

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

Handling and Storage Precautions: STORE IN A COOL, WELL VENTILATED AREA.  
ELECTRICALLY GROUND/BOND DURING PUMPING OR TRANSFER TO AVOID  
ACCUMULATION.  
Other Precautions: PRECAUTIONS SHOULD BE TAKEN TO MINIMIZE SKIN CONTACT  
AND INHALATION. DO NOT SIPHON BY MOUTH OR USE AS A CLEANING  
SOLVENT.

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

Respiratory Protection: UNDER 5 MG/M<sup>3</sup> NONE REQUIRED. FROM  
5 TO 50 MG/M<sup>3</sup>,  
USE AN APPROVED ORGANIC VAPOR RESPIRATOR SUITABLE FOR OIL MISTS IN  
AREAS WITH SUFFICIENT OXYGEN. ABOVE THIS LEVEL, USE FULL FACE  
AIR-SUPPLIED OR SELF-CONTAINED BREATHING APPARATUS.  
Ventilation: GENERAL VENTILATION, THE EXPLOSION-PROOF MECHANICAL  
VENTILATION SUITABLE.  
Protective Gloves: VITON OR NITRILE RUBBER GLOVES  
Eye Protection: CHEMICAL SPLASH GOGGLES  
Other Protective Equipment: LONG SLEEVED CLOTHING TO MINIMIZE SKIN  
CONTACT. HAVE EMERGENCY EYE WASH AND SAFETY  
SHOWER AVAILABLE.  
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE  
EATING, DRINKING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE  
REUSE.

Supplemental Safety and Health

NOTES TO PHYSICIAN: GASTRIC LAVAGE SHOULD ONLY BE DONE AFTER  
ENDOTRACHEAL INTUBATION IN VIEW OF THE RISK OF ASPIRATION WHICH  
CAN CAUSE SERIOUS CHEMICAL PNEUMONITIS FOR WHICH ANTIBIOTIC AND  
CORTICOSTEROID THERAPY MAY BE INDICATED.

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

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HCC:F4

Boiling Pt:B.P. Text:160-300C

Melt/Freeze Pt:M.P/F.P Text:-53F,-47C

Vapor Pres: