

EXXON INTERNATIONAL CO,CARGO TRADING DEPT -- AVIATION TURBO FUEL (KEROSENE) --  
9130-01-031-5816

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

Product ID:AVIATION TURBO FUEL (KEROSENE)

MSDS Date:09/01/1991

FSC:9130

NIIN:01-031-5816

MSDS Number: BNKRM

=== Responsible Party ===

Company Name:EXXON INTERNATIONAL CO,CARGO TRADING DEPT

Address:200 PARK AVE

City:FLORHAM PARK

State:NJ

ZIP:07932-1002

Country:US

Info P

Phone Num:201-765-5000, 908-966-7893

Emergency Phone Num:201-765-5000, 908-966-7893

CAGE:9X193

=== Contractor Identification ===

Company Name:EXXON COMPANY U.S.A.

Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Phone:713-656-5949 / 713-656-3424

CAGE:29700

Company Name:EXXON INTERNATIONAL CO,CARGO TRADING DEPT

Address:200 PARK AVE

Box:City:FLORHAM PARK

State:NJ

ZIP:07932-1002

Country:US

Phone:201-765-5000, 908-966-7893

CAGE:9X193

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

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Ingred Name:KEROSENE  
CAS:64742-81-0  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: SLIGHTLY IRRITATING. DOES NOT  
INJURE EYE TISSUE. SKIN: MAY DRY AND DEFAT SKIN, LEADING TO  
IRRITATION AND DERMATITIS. INHALATION: HIGH CONC. OF VAPORS ARE  
IRRITATING TO MUCOUS MEMBRANES, MAY CAUSE HEADACHES, DIZZINESS,  
ACT AS AN ANESTHETIC, CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.  
INGESTION: LOW ORDER OF TOXICITY.  
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS  
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.  
Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, SKIN  
DEFATTING, DERMATITIS. INHALATION: MUCOUS MEMBRANE IRRITATION,  
HEADACHE, DIZZINESS, ANESTHETIC EFFECTS. INGESTION: VOMITING.  
Medical Cond Aggravated by Exposure:PERSON WITH PRE-EXISTING DISEASE  
INVOLVING THE EYES, SKIN OR RESPIRATORY TRACT MAY BE AT INCREASED  
RISK FROM EXPOSURE.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION  
PERSISTS GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.  
WASH AREA WITH SOAP AND WATER. IF IRRITATION PERSISTS GET MEDICAL  
ATTENTION. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIVE  
CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION.  
INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC  
Flash Point:100F,38C  
Extinguishing Media:FOAM, DRY CHEMICAL POWDER, CARBON DIOXIDE.  
Fire Fighting Procedures:USE WATER FOG OR SPRAY TO COOL FIRE-EXPOSED  
SURFACES AND TO PROTECT PERSONNEL. SHOULD ONLY BE

USED BY PERSONNEL

TRAINED IN FIRE FIGHTING.

Unusual Fire/Explosion Hazard:LIQUID CAN RELEASE VAPORS THAT READILY FORM FLAMMABLE MIXTURES AT OR ABOVE THE FLASH POINT. STATIC CHARGES CAN ACCUMULATE AND MAY CAUSE INCENDIARY DISCHARGE.

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

Spill Release Procedures:STOP LEAK. ELIMINATE ALL IGNITION SOURCES. DIKE SPILL TO KEEP OUT OF SEWERS AND WATERWAYS. VENTILATE CONFINED AREAS. RECOVER FREE LIQUID. ABSORB RESIDUE WITH SUITABLE ABSORBENT.

PLACE ABSORBED WASTE I N CONTAINERS FOR DISPOSAL. USE NON-SPARKING TOOLS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA AWAY FROM HEAT, SPARKS, FLAME, STRONG OXIDANTS. KEEP CONTAINERS CLOSED. DO NOT SIPHON BY MOUTH. DO NOT SMOKE IN AREA.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO

NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC EKECTRICITY, OR OTHER SOURCES OF I GITION; THEY MAY EXPLODE.

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

Respiratory Protection:WEAR A NIOSH/MSHA APPROVED RESPIRATOR IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL/TLV. WEAR SELF-CONTAINED BREATHING APPARATUS IF REQUIRED FOR HIGH LEVELS OF CONTAMINATES.

Ventilation:PROVIDE SUFFICI ENT VENTILATION TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS.

Protective Gloves:CHEMICAL IMPERVIOUS GLOVES IF NEEDED.

Eye Protection:USE GOGGLES OR FACE SHIELD IF NEEDED.

Other Protective Equipment:PROVIDE EYE WASH STATION AND SAFETY SHOWER. USE CHEMICAL RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING IF NEEDED.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Su

pplemental Safety and Health

DO NOT ATTEMPT TO CLEAN CONTAINERS SINCE RESIDUE IS DIFFICULT TO REMOVE. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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

HCC:F4

Boiling Pt:B.P. Text:572F,300C

Spec Gravity:0.775-0.84

Sol

ubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR AND BRIGHT; NO SPECIFIED LIMITS FOR COLOR.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDANTS SUCH AS LIQUID CHLORINE AND CONCENTRATED OXYGEN.

Stability Condition to Avoid:EXTREME TEMPERATURES, STATIC ELECTRICITY, SPARKS, OPEN FLAMES.

Hazardous Decomposition Products:SMOKE AND CARBON MONOXIDE MAY BE FORMED IN THE EVENT OF INCOMPLETE CO MBUSTION.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, WATERCOURSES, OR EXTENSIVE LAND AREAS.

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