

EXXON CO USA, A DIV OF EXXON CORP. -- JET FUEL GRADE JP-5 -- 9130-01-287-2704

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

Product ID:JET FUEL GRADE JP-5

MSDS Date:12/02/1991

FSC:9130

NIIN:01-287-2704

MSDS Number: BSFLY

=== Responsible Party ===

Company Name:EXXON CO USA, A DIV OF EXXON CORP.

Address:800 BELL ST

Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Info Phone Num:713-656-2443

Emergency P

hone Num:713-656-3424

CAGE:29700

=== 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

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

Ingred Name:DISTILLATES (PETROLEUM), HYDROTREATED LIGHT.

CAS:64742-47-8

Fraction by Wt: 100%

Other REC Limits:100 PPM/8 HOURS(MFG)

OSHA PEL:100 PPM

ACGIH TLV:100 PPM

Ingred Name:ANTIOXIDANT AND METAL DEACTIVATOR

Fraction by W

t: 5 G/KG.

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

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

Health Hazards Acute and Chronic:EYES: MAY CAUSE IRRITATION. SKIN:

PROLONGED CONTACT WILL DRY AND DEFAT SKIN, LEADING TO IRRITATION AND DERMATITIS. INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION, HEADACHES, DIZZINESS, ANESTHESIA, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH. INGESTION: HAS LOW ORDER OF ORAL TOXICITY.

Expla

nation of Carcinogenicity:NONE OF THE MATERIALS LISTED BY THE MANUFACTURER IN THIS PRODUCT IS LISTED AS A CARCINOGEN BY OSHA, IARC, NTP.

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DERMATITIS.

INHALATION: RESPIRATORY TRACT IRRITATION, HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLU DING DEATH. INGESTION: HAS LOW ORDER OFORAL TOXICITY.

Medical Cond Aggravated by Exposure:PERSONS WITH A PRE-EXIST ING DISEASE

INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT OR NERVOUS SYSTEM MAY BE AT INCREASED RISK FROM EXPOSURE TO THIS PRODUCT.

===== 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. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. 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:140F,60C

Lower Limits:0.9%

Upper Limits:7.0%

Extinguishing Media:FOAM, WATER SPRAY (FOG), DRY CHEMICAL, CARBON DIOXIDE, AND VAPORIZING LIQUID TYPE EXTINGUIHING AGENTS.

Fire Fighting Procedures:USE WATER SPRAY, DRY CHEMICAL, FOAM, CARBON DIOXIDE ON FIRE. USE WATE

R TO COOL FIRE-EXPOSED CONTAINERS. USE
WATER SPRAY TO DISPERSE VAPORS,PROTECT FIREFIGHTERS.
Unusual Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR AND MAY SETTLE IN
LOW AREAS OR TRAVEL A CONSIDERABLE DISTANCE TO SOURCE OF IGNITION
WHERE THEY MAY EXPLODE, OR IGNITE AND FLASH BACK.

===== 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
ELECTRICITY, OR OTHER SOURCES OF I GNITION; 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 SUFFICIENT VENTILATION TO PREVENT EXCEEDING
RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS.
Protective Gloves:CHEMICAL RESISTANT 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.

LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental 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:338F,170C

Melt/Freeze Pt:M.P/F.P Text:-51F,-46C

Vapor Pres:5 (AIR=1)

Spec Gravity:0.788-0.845

pH:7

Evaporation Rate & Reference: