

BP NORTH AMERICA PETROLEUM, INC. -- JET A, JET A-1 -- 9130-01-221-1880

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

Product ID:JET A, JET A-1

MSDS Date:10/05/1988

FSC:9130

NIIN:01-221-1880

MSDS Number: BPHTJ

=== Responsible Party ===

Company Name:BP NORTH AMERICA PETROLEUM, INC.

Address:550 WESTLAKE BOULEVARD, SUITE 1800

City:HOUSTON

State:TX

ZIP:77079

Country:US

Info Phone Num:800-361-7817

Emergency Phone

Num:800-362-8059; CHEMTREC:800-424-9300

Preparer's Name:RIGNEY

CAGE:0BF86

=== Contractor Identification ===

Company Name:BP NORTH AMERICA PETROLEUM INC

Address:550 WESTLAKE PARK BLVD SUITE 1800

Box:City:HOUSTON

State:TX

ZIP:77079-2608

Country:US

Phone:713-558-3443

CAGE:0BF86

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

Ingred Name:KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: >99.9%

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

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== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE-INGESTION:HARMFUL OR FATAL. MAY CAUSE GASTROINTESTINAL DISTURBANCE; ASPIRATION INTO LUNGS CAN CAUSE CHEMICAL PNEUMONIA AND CAN BE FATAL. INHALATION OF MIST MAY CAUSE IRRITATION OF NOSE & THROAT. EYE:IRRITATION. SKIN: IRRITATION. CHRO

NIC-PROLONGED AND/OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION, DERMATITIS.

Explanation of Carcinogenicity:MIDDLE DISTALLATES HAVE PRODUCED SKIN CANCER IN LAB ANIMALS.SAMPLE ANALYSIS SHOWED PRESENCE OF BENZENE IN TRACE LEVELS.

Effects of Overexposure:EYE: IRRITATION; SKIN: MODERATELY IRRITATING.PROLONGED/REPEATED CONTACT MAY CAUSE DERMATITIS OR ABSORPTION OF TOXIC AMOUNT. INHALED:RESPIRATORY IRRITATION, NAUSEA, VOMITING, DIARRHEA, CNS DEPRESSION, HEADACHE, DIZZINESS. INGESTED: SAME AS INHALED, PROLONGED/ REPEATED OVEREXPOSURE MAY DAMAGE LIVER, KIDNEY, BONE MARROW.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH KIDNEY, EYE, OR SKIN DISORDER MAY BE AT INCREASED RISK FROM EXPOSURE OF THIS MATERIAL.

===== 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. RES TORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. DOCTOR TO ORDER VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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

Flash Point Method:PMCC

Flash Point:100F,38C

Lower Limits:0.7

Upper Limits:5.0

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG. WATER, ESPECIA

LLY STREAM, MAY CAUSE FROTHING AND/OR SPREAD
FIRE..

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:IRRITATING AND TOXIC FUMES MAY BE EMITTED
IN FIRE. RUN OFF TO SEWER MAY CAUSE EXPLOSION HAZARD. CONTAINERS IN
FIRE MAY EXPLODE.

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

Spill Release

Procedures:IF YOUR FACILITY OR OPERATION HAS AN "OIL OR
HAZ SUBSTANCE CONTINGENCY PLAN", ACTIVATE ITS PROCEDURES
IMMEDIATELY. STOP & CONTAIN SPILL. EVACUATE UNPROTECTED
PERSONNEL.ELIMINATE IGNITION SOURCES. SMAL L: ABSORB ON INERT MATL.
LARGE: DIKE TOCONTROL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINER IN
COOL, DRY, ISOLATED, WELL-VEN
T AREA AWAY FROM HEAT, SOURCES OF
IGNITION & INCOMPATABLESS. USE NON-SPARKING TOOLS.

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 WHEN TRANSFERRING PRODUCT TO ELIMINATE
EXPLOSIONS DUE TO S TATIC DISCHARGE.

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

Respiratory Protection:NIOSH/MSHA APPROVED BREATHING EQUIP MUST BE
AVAIL FOR NON-ROUTINE
& EMER USE.

Ventilation:VENTILATION MAY BE USED TO CONTROL OR REDUCE AIRBORNE
CONCENTRATIONS.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES C

Other Protective Equipment:PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.
HAVE EYE WASHING FACILITIES READILY AVAILABLE WHERE EYE CONTACT CAN
OCCUR.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICE. WASH
AFTER USING THE PRODUCT AND BEFORE EATING, DRINKING, ETC.

Supplemental Safety and H

ealth

IN ORDER TO GET INFORMATION ABOUT BENZENE PRESENCE IN THE WASTE,
CONTACT AMERICAN PETROLEUM INSTITUTE, WASHINGTON DC. DO NOT WEAR
CONTACTS!!

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

HCC:F4

Boiling Pt:B.P. Text:300F,149C

Vapor Pres:0.40 MM

Vapor Density:4.7

Spec Gravity:0.82

Evaporation Rate & Reference: