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BP NORTH AMERICA PETROLEUM INC -- JET A-1 -- 9130-01-180-5540

Product ID:JET A-1

MSDS Date:08/16/1990

FSC:9130

NIIN:01-180-5540

MSDS Number: BPVHT === Responsible Party ===

Company Name: BP NORTH AMERICA PETROLEUM INC

Address:550 WESTLAKE PARK BLVD SUITE 1800

City:HOUSTON

State:TX

ZIP:77079-2608 Country:US CAGE:0BF86

=== Contractor Identification ===

Company Name :AIR BP, BP OIL LTD

Address: CLEVELAND HOPKINS INTL AIRPORT

Box:City:CLEVELAND

State:OH ZIP:44135 Country:US

Phone:216-267-3550

CAGE:0NDT1

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

Company Name: BP OIL INTERNATIONAL LTD

Address: BRITANNIC HOUSE, MOOR LN

Box:City:LONDON ENGLAND

CAGE:7X331

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

Ingred Name: KEROS

ENE, MAY CONTAIN SMALL AMOUNTS OF PROPRIETARY PERFORMANCE ADDITIVES. CAS:8008-20-6 RTECS #:OA5500000 Other REC Limits: NONE RECOMMENDED **OSHA PEL:100 PPM ACGIH TLV:100 PPM 9091** ============= Hazards Identification ======================== Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:PROLONGED OR REPEATED SKIN EXPOSURE MAY LEAD TO DERMATITIS. INGESTION OF LARGE AMOUNTS MAY CAUSE GA STRO-INTESTINAL EFFECTS. THIS MATERIAL WIIL INJURE THE LUNGS IF ASPIRATION OCCURS. MAY CAUSE IRRITATI ON TO THE EYES, NOSE & THROAT DUE TO EXPOSURE TO VAPOUR, MIST OR FUMES GENERATED DURING NORMAL USE. Explanation of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS. Effects of Overexposure:TRANSIENT STINGING OR REDNESS IF ACCIDENTAL EYE CONATCT OCCURS. INGESTION OF LARGE AMOUNTS MAY CAUS E DISCOMFORT, VOMITING AND DIARRHEA. Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER. First Aid:SKIN-WASH THOROUGHLY WITH SOAP/WATER AFTER CONTACT. EYES-WASH EYES THOROUGHLY WITH COPIOUS QUANTITIES OF WATER, ENSURING EYELIDS ARE OPEN. INGESTION-IF CONTAMINATION OFB THE MOUTH OCCURS, WASH IT OUT THOROUGHLY WITH WATER. OBTAIN MEDICAL ADVICE IF LARGE QUANTITIES ARE SWALLOWED-DO NOT INDUCE VOMITING. INHALATION-IF

INHALATION CAUSES IRRITATION, REMOVE TO FRESH AIR. OBTAIN MEDICAL HELP IN ALL CASES

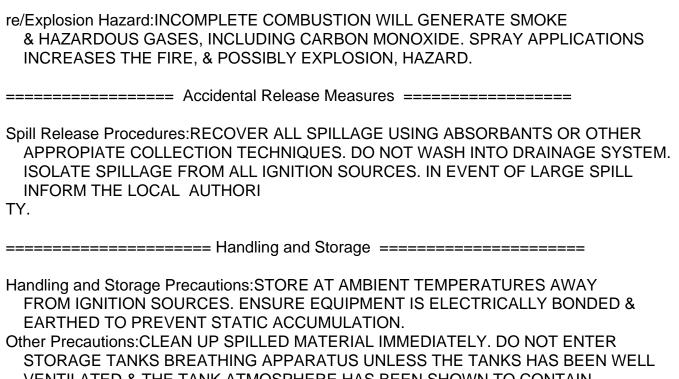
=========== Fire Fighting Measures ==========================

Flash Point:111F,44C

Extinguishing Media: EXTINGUISH USING DRY POWDER, FOAM, WATER FOG, OR (FOR SMALL FIRES) CARBON DIOXIDE OF BCF.

Fire Fighting Procedures: FIRES IN CONFINED SPACES SHOULD BE DEALT WITH BY TRAINED PERSONNEL WEARING BREATHING APPARATUS. FOR MAJOR FIRES CALL THE FIRE SERVICE.

Unusual Fi



VENTILATED & THE TANK ATMOSPHERE HAS BEEN SHOWN TO CONTAIN HYDROCARBON VAPORS LEVEL S OF LESS THAN

1% OF THE LOW FLAME LIMIT

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

Respiratory Protection: WEAR A NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE RESPIRATOR WITH FULL FACEPIECE AND ORGANIC VAPOR CARTRIDGES IN COMBINATION WITH A HIGH-EFFICIENCY PARTICULATE FILTER.

Ventilation:LOCAL AND MECHANICAL(GENERAL) EXHAUST TO PROVIDE ADEQUATE VENTILATION.

Protective Gloves: IMPERVIOUS GLOVES HSOULD BE WORN

Eve Protection: WEAR FACE VISOR OR GOGGLES

Other Protective Equipment:P

ROTECTIVE CLOTHING SHOULD BE REGULARLY

INSPECTED AND MAINTAINED; OVERALLS SHOULD BE DRY-CLEANED & LAUNDERED.

Work Hygienic Practices: WASH THOROUGHLY AFTER USE AND ALWAYS WASH HANDS BEFORE EATING, DRINKING OR USING THE TOILET.

Supplemental Safety and Health

AVOID INHALATION OF MISTS, FUMES OR VAPORS GENERATED DURING USE. AVOID EYE CONTACT. AVOID CONTACT WITH SKIN & OBSERVE GOOD PERSONNEL HYGIENE. ENSURE GOOD VENTILATION. USE SINGLE-USE DISPOSABLE CLOTHS & DISCARD WHEN SOI

LED.**UNLIKELY TO HARM AQUATIC ORGANISMS. SPILLED MATERIAL MAY MAKE SURFACE SLIPPERY.

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

HCC:F4

Boiling Pt:B.P. Text:156 TO 258C

Spec Gravity:0.804 Viscosity:3.5 CST

Appearance and Odor:PALE YELLOW LIQUID.

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

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT WITH STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:STABLE AT AMBIENT TEMPERATURES.
Haza

rdous Decomposition Products:THERMAL DECOMPOSITION CAN PRODUCE A VARIETY OF COMPOUNDS, THE PRECISE NATURE OF WHICH WILL DEPEND ON THE DEC. CONDITIONS

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

Waste Disposal Methods:DISPOSE OF BY INCINERATION OR OTHER SUITABLE MEANS UNDER CONDITIONS APPROVED BY THE LOCAL AUTHORITY. DISPOSAL OF LARGE QUANTITIES SHOULD BE AFFECTED BY SPECIALIST PERSONNEL.

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