

PHRIBRO ENERGY USA, INC -- KEROSENE -- 9140-00-242-6748

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

Product ID:KEROSENE

MSDS Date:12/29/1988

FSC:9140

NIIN:00-242-6748

MSDS Number: BPKTB

=== Responsible Party ===

Company Name:PHRIBRO ENERGY USA, INC

Address:500 DALLAS AVE, SUITE 3200

City:DALLAS

State:TX

ZIP:77002

Country:US

Info Phone Num:713-646-5135

Emergency Phone Num:713-646-5135

CAGE:KO805

=== Contra

ctor Identification ===

Company Name:ARNOLD TRUMAN CO

Address:3885 S PERKINS ST SUITE 9

Box:City:MEMPHIS

State:TN

ZIP:38118-7030

Country:US

Phone:901-367-2272

CAGE:0LA99

Company Name:PHIBRO ENERGY USA INC

Address:500 DALLAS AVE SUITE 3200

Box:City:HOUSTON

State:TX

ZIP:77002

Country:US

Phone:713-923-6641, CHEMTREC800-424-9300

CAGE:0V310

Company Name:PHRIBRO ENERGY USA, INC

Address:500 DALLAS AVE, SUITE 3200

Box:City:DALLAS

State:TX

ZIP:77002

Country:US

Phone:713-646-5135

CAGE:KO805

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Composition/Information on Ingredients =====

Ingred Name:KEROSENE,(ALIPHATIC PETROLEUM DISTILLATES)

CAS:68476-30-2

Fraction by Wt: 100%

Other REC Limits:100 MG/M3 (NIOSH)

===== 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:EYES: IRRITATING. SKIN: IRRITATING.

PROLONGED CONTACT MAY RESULT IN DEFATTING, CRACKING, SECONDARY INFECTION. INHALATION: NOSE, THROAT AND RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM SYMPTOMS, HEAD ACHE, DIZZINESS, CONVULSIONS, COMA, AND DEATH. INGESTION: GI IRRITATION, NAUSEA, VOMITING, DIARRHEA, CNS SYMPTOMS.

Effects of Overexposure:EYES: IRRITATION, REDNESS, TEARING, OR BLURRED VISION. SKIN: IRRITATION, REDNESS, ITCHING, INFLAMMATION, CRACKING.

INHALATION: NOSE, THROAT AND RESPIRATORY IRRITATION, EUPHORIA, HEADACHE, DIZZINESS, BLURRED VISION, CONVULSIONS, UNCONSCIOUSNESS,

DEATH. INGESTION: GI IRRITATION, NAUSEA, VOMITING, DIARRHEA, CNS SYMPTOMS.

Medical Cond Aggravated by Exposure:PERSONNEL WITH PRE-EXISTING SKIN DISEASES, RESPIRATORY DISEASES, OR CENTRAL NERVOUS SYSTEM DISEASES SHOULD AVOID EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER.

INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIVE

CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. GIVE VEGETABLE OIL OR A CHARCOAL SLURRY TO RETARD ABSORPTION. GET MEDICAL ATTENTION.

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

Flash Point:100F,38C

Lower Limits:0.7

Upper Limits:5.0

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, FOAM, CARBON DIOXIDE, OR HALON TO EXTINGUISH FIRE.

Fire Fighting Proc

edures:USE WATER TO KEEP FIRE EXPOSED CONTAINERS
COOL. IF SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS
AND PROVIDE PROTECTION FOR MEN TRYING TO STOP LEAK.
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY
TRAVEL ALONG GROUND A LONG DISTANCE TO AN IGNITION SOURCE AND
BACKFLASH. CONTAINERS MAY EXPLODE IN A FIRE.

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

Spill Release Procedures:REMOVE IGNITION SOURCES. STOP LEAK. CONTROL

SPILL BY DIKING IF POSSIBLE. VENTILATE AREA. KEEP PRODUCT OUT OF
SEWERS AND WATERWAYS. RECOVER WHAT IS POSSIBLE. ABSORB RESIDUE ON
ABSORBENT AND TRANSFER TO CONTAINERS FOR DISPOSAL. USE NONSPARKING
TOOLS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS IN COOL,
DRY, ISOLATED, WELL-VENTILATED AREA AWAY FROM HEAT, SOURCES OF
IGNITION AND INCOMPAT
IBLES.

Other Precautions:GROUND LINES, CONTAINERS, AND OTHER EQUIPMENT USED
DURING PRODUCT TRANSFER TO REDUCE POSSIBILITY OF A STATIC-INDUCED
SPARK. EMPTY CONTAINERS MAY CONTAIN EXPLOSIVE RESIDUE OR VAPORS. DO
NOT CUT, GRIND, DRILL, WELD, OR USE EMPTY CONTAINERS.

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

Respiratory Protection:NIOSH/MSHA APPROVED BREATHING EQUIPMENT MUST BE
AVAILABLE IF EXCESSIVE MISTS OR VAPOR RESULTS FROM CONDITIONS OF
USE OR FO

R NON-ROUTINE AND EMERGENCY USE.

Ventilation:SUFFICIENT MECHANICAL/LOCAL EXHAUST VENTILATION TO KEEP
EXPOSURE BELOW RECOMMENDED TLV/PEL. USE EXPLOSION PROOF SYSTEM.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES OR FACE SHIELD.

Other Protective Equipment:IF NECESSARY, WEAR APRON, BOOTS AND FACIAL
PROTECTION TO PREVENT SKIN CONTACT.

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

SE.

Supplemental Safety and Health

DO NOT USE THIS PRODUCT AS A CLEANING AGENT.

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

HCC:F4

Boiling Pt:B.P. Text:320F,160C

Vapor Pres: