

PHIBRO ENERGY INC SUB OF PHILLIP BROTHERS INC -- NO.2 FUEL OIL -- 9140-00-247-4365
===== Product Identification =====

Product ID:NO.2 FUEL OIL

MSDS Date:12/20/1990

FSC:9140

NIIN:00-247-4365

MSDS Number: BPNXR

=== Responsible Party ===

Company Name:PHIBRO ENERGY INC SUB OF PHILLIP BROTHERS INC

Address:600 SREAMBOAT RD

City:GREENWICH

State:CT

ZIP:06830-7149

Country:US

Info Phone Num:203-661-4770

Em

ergency Phone Num:713-923-6641(CHEMTREC 800-424-9300)

Preparer's Name:SUE BOTTOM

CAGE:2Y747

=== Contractor Identification ===

Company Name:PHIBRO ENERGY INC. - SUB OF PHILIPP BROTHERS INC

Address:600 STEAMBOAT RD

Box:City:GREENWICH

State:CT

ZIP:06830-7149

Country:US

Phone:203-661-4770

CAGE:2Y747

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

Ingred Name:N-HEPTANE

CAS:142-82-5

RTECS #:MI7700000

Fraction by Wt: 1-2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM/500 STE

L
ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:HEXANE (N-HEXANE)
CAS:110-54-3
RTECS #:MN9275000
Fraction by Wt: 1-2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:HEXANE ISOMERS OTHER THAN N-HEXANE
Fraction by Wt: 1-3%
Other REC Limits:NONE RECOMMENDED

Ingred Name:NAPHTHALENE (SARA III)
CAS:91-20-3
RTECS #:QJ0525000
Fraction by Wt: 1-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM/15 STEL
ACGIH TLV:10 PPM/15 STEL; 9
293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:NONANE
CAS:111-84-2
RTECS #:RA6115000
Fraction by Wt: 1-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM; 9293

Ingred Name:OCTANE
CAS:111-65-9
RTECS #:RG8400000
Fraction by Wt: 1-2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM/375 STEL
ACGIH TLV:300 PPM/375STEL;9293

Ingred Name:COMPLEX MIXTURE OF HYDROCARBONS
Fraction by Wt: >85%
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification

=====
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF VAPORS MAY CAUSE
CENTRAL NERVOUS SYSTEM DEPRESSION AND RESPIRATORY IRRITATION.
INGESTED: MAY CAUSE GI TRACT IRRITATION OR CENTRAL NERVOUS SYSTEM
DEPRESSION IF SWALLOWED. EYES: MAY CAUSE IRRITATION OF SKIN AND
EYES ON CONTACT. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE
DERMATITIS.

Exp
Explanation of Carcinogenicity:MANUFACTURER STATES POSSIBLE CARCINOGEN
FROM "DIESEL EXHAUST" (NIOSH BULLETIN 50).
Effects of Overexposure:INHALATION: DIZZINESS, DROWSINESS, NAUSEA,
FATIGUE, HEADACHE, TREMORS. EYES: BURNING SENSATION, REDNESS. SKIN:
BURNS, RASH, BLISTERS. INGESTION: DIZZINESS, DROWSINESS, HEADACHE,
TREMORS, BURNING OF MOUTH AND ESOPHAGUS. NAUSEA, VOMITING, STOMACH
PAIN.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN, EYE, HEART,
CENTRAL NERVOUS SYSTEM
AND RESPIRATORY DISORDERS MAY BE AGGAVATED
BY EXPOSURE.

=====
First Aid Measures

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. EYES: FLUSH WITH PLENTY OF WATER FOR 15
MINUTES. SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER. INGESTION: DO
NOT INDUCE VOMITING! SEE DOCTOR. SEE DOCTOR IF ANY SYMPTOMS
PERSIST.

=====
Fire Fighting Measures

Flash Point:>1
25F,>52C
Autoignition Temp:Autoignition Temp Text:495F
Lower Limits:0.4
Upper Limits:8.0
Extinguishing Media:DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE GEAR. USE WATER FOG TO COOL FIRE EXPOSED CONTAINERS
AND TO DIPERSE VAPORS.
Unusual Fire/Explosion Hazard:VAPORS FORM EXPLOSIVE MIXTURES WITH AIR
AT ROOM TEMPERATURE. VAPOR MAY SPREAD TO DISTANT IGNITION SOURCES
AND FLASH BACK.

=====
Acc

idental Release Measures =====

Spill Release Procedures:CONTAIN SPILL. ABSORB ON SUITABLE MATERIAL, SCOOP UP AND PLACE IN CONTAINER FOR DISPOSAL. VENTILATE AREA. AVOID BREATHING VAPORS. AVOID ALL PERSONAL CONTACT. USE SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREA.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE AWAY FROM HEAT AND IGNITION SOURCES. HANDLE AND STORE IN ACCORDA

NCE WITH OSHA REG. 1910.106.

Other Precautions:USE ONLY AS A FUEL.

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

Respiratory Protection:USE SELF-CONTAINED BREATHING APPARATUS IF PEL/TLV EXCEEDED AS IN A LARGE SPILL OR CONFINED AREA.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:NITRIL, PVA

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:USE GOOD PERSONAL HYGEN

E. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:V4

Boiling Pt:B.P. Text:>325F,>163C

Vapor Pres:0.1 PSI

Vapor Density:3-7(AIR=1)

Spec Gravity:>0.84

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR TO STRAW COLORED LIQUID WITH A KEROSENE ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRO

NG MINERAL ACIDS, STRONG ALKALIS, AND
HALOGENS.

Stability Condition to Avoid:HEAT, FLAME AND OTHER SOURCES OF IGNITION.
PREVENT ACCUMULATION OF VAPORS.

Hazardous Decomposition Products:OXIDES OF CARBON AND REACTIVE
HYDROCARBONS (EG. ALDEHYDES, AROMATIC, ETC.)

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

Waste Disposal Methods:IF DISCARDED IN ORIGINAL FORM, DISPOSE OF AS AN
IGNITABLE MATERIAL (D001) UNDER RCRA. OTHERWISE CONTACT LOCAL
ENVIRONMENTAL MAN
AGER AND DISPOSE OF IN ACCORDANCE WITH LOCAL,
STATE AND FEDERAL REGULATIO NS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume
responsibility for the suitability of this information to their
particular situation.