

PHIBRO ENERGY USA INC -- SOLVENT 210-66 -- 6810-00-265-0664

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Product Identification
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Product ID:SOLVENT 210-66

MSDS Date:03/05/1996

FSC:6810

NIIN:00-265-0664

MSDS Number: BWZPT

=== Responsible Party ===

Company Name:PHIBRO ENERGY USA INC

Address:500 DALLAS AVE SUITE 3200

City:HOUSTON

State:TX

ZIP:77002

Country:US

Info Phone Num:713-646-5135

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

Preparer's Name:RON LOUVIER

CAGE:0V310

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

CAGE:0A9L8

Company Name:NO VENDOR HAS BEEN NAMED FOR THIS LINE.

Box:UNKNOW

CAGE:NO672

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

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

Ingred Name:N-HEPTANE
CAS:142-82-5
RTECS #:MI7700000
Fraction by Wt: 2 - 6%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:400 PPM/500STEL;9596

Ingred Name:HEPTANE ISOMERS
Fraction by Wt: 30 - 40%
Other REC Limits:NONE RECOMMENDED

Ingred Name:NAPHTHENES
Fraction by Wt: 5 - 15%
Other REC Limi
ts:NONE RECOMMENDED
OSHA PEL:5 MG/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:NONANE ISOMERS
Fraction by Wt: 1 - 3%
Other REC Limits:NONE RECOMMENDED

Ingred Name:OCTANE ISOMERS
Fraction by Wt: 40 - 50%
Other REC Limits:NONE RECOMMENDED

Ingred Name:TOLUENE (SARA 313) (CERCLA)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 1 - 3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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===== Hazards

Identification =====

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

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

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

Health Hazards Acute and Chronic:*TARGET ORGANS:SKIN, RESPIRATOR

TRACTS.* ACUTE-MAY CAUSE SEVERE EYE IRRITATION. PROLONGED/REPEATED SKIN CONTACT MAY CAUSE DRYNESS. INHALATION MAY CAUSE RESPIRATORY IRRITATION, CNS EFFECTS, UNCONSCIOUSNESS, DEATH. HARMFUL/FATAL IF INGESTED.MAY

CAUSE VOMITING. ASPIRATION HAZARD. CHRONIC-UNKNOWN.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS ARE LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC, OSHA OR OTHERS.

Effects of Overexposure:SEVERE IRRITATION, DRY SKIN, TEARING, BLURRED VISION, REDNESS, DEFATTING, DERMATITIS, SECONDARY INFECTION, HEADACHE, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, VOMITING, DIARRHEA, UNCONSCIOUSNESS, DEATH

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE, SKIN, HEART, RE

SPIRATORY, CNS DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.

EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. A ID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE VOMITING-ASPIRATION HAZARD! GIVE VEGETABLE OIL OR CHARCOAL SLURR

Y TO DRINK. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point:33.0F,0.6C

Autoignition Temp:Autoignition Temp Text:500F

Lower Limits:1.0

Upper Limits:6.4

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM. WATER MAY BE INEFFECTIVE, BUT SHOULD BE USED TO COOL FIRE-EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A NIOSH-APPROVED SELF CONTAINED B

REATHING APPARATUS OPERATED IN
POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL
CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.
CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES
OF IGNITION. VENTILATE AREA. CONTAIN SPILL & STOP LEAK IF W/O RISK.
ABSORB W/INERT MATERIAL. PREVENT
FROM ENTERING SEWERS, WATERWAYS,
ETC. CONTACT FIRE & IF NECESSARY GOVERNMENT AUTHORITIES TO REPORT
SPILL

Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

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

Handling and Storage Precautions:STORE TIGHTLY CLOSED IN A VENTILATED
AREA AWAY FROM IGNITION SOURCES & INCOMPATIBLES. USE NON SPARKING
TOOLS & EXPLOSION PROOF ELECTRICAL EQUIPMENT.

Other Precautions:GROUND CONTAINERS WHEN TRANSFERRING LIQUID (STATIC

SPARK EXPLOSION HAZARD). "EMPTY" CONTAINERS MAY RETAIN RESIDUE &
VAPOR. TREAT THEM W/CAUTION! DO NOT CUT, WELD, GRIND, ETC. ON THEM
(FIRE & EXPLOSION HAZARD).

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

Respiratory Protection:WEAR NIOSH EQUIPMENT IF WORKPLACE LIMITS ARE
EXCEEDED. TRAINED PERSONNEL MUST MAKE PROPER RESPIRATOR SELECTION
BASED ON TYPE & EXTENT OF EXPOSURE & PUBLISHED LIMITS. HAVE
EQUIPMENT AVAILABLE FOR NONROUTINE & EMERGENCY USE.

Ventilation:USE IN WELL VENTILATED AREA. USE MECHANICAL (GENERAL)
VENTILATION TO KEEP EXPOSURE