

PHIBRO ENERGY USA INC -- 210-66 SOLVENT -- 6810-00-238-8119

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Product Identification
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Product ID:210-66 SOLVENT

MSDS Date:01/31/1995

FSC:6810

NIIN:00-238-8119

MSDS Number: BQNNJ

=== 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 OR 713-797-0395

Emergency Phone Num:713-923-66

41 800-424-9300(CHEMTREC)

Preparer's Name:SUE BOTTOM

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: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
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Ing

red 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 Limits: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 =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CONTACT MAY CAUSE EYE IRR

ITATION.

PROLONGED/REPEATED SKIN CONTACT MAY CAUSE IRRITATION; HIGH PRESSURE INJECTION MAY CAUSE SERIOUS INJURY. INHALATION MAY CAUSE NASAL & RESPIRATORY IRRITATION, CNS EFFECTS. INGESTION MAY BE HARMFUL OR FATAL. ASPIRATION MAY CAUSE CHEMICAL PNEUMONIA, LUNG INJURY OR DEATH.

Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT AT 0.1% OR GREATER THAT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES:REDNESS,TEARING,BLURRED VISION,

CONJUNCTIVITIS.SKIN:REDNESS,ITCHING,INFLAMMATION,DERMATITIS,POSSIBLE SECONDARY INFECTION.HIGH PRESSURE INJECTION SHOW DELAYED SWELLING, DISCOLORATION WITH PAIN.INH

AL:EXCITATION,EUPHORIA,CONTRACTED PUPILS, DIZZINESS,DROWSINESS,FATIGUE,NAUSEA.INGEST:NAUSEA,VOMITING,DIARRHEA, RESTLESSNE

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING EYE,SKIN,HEART,CNS AND RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures =====

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-NOTHING BY MOUTH IF UNCONSCIOUS! DO NOT INDUCE VOMITING! SEEK IMMEDIATE MEDICAL ATTENTION!

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Fire Fighting Measures =====

Flash Point:33.0F,0.6C

Autoigni

tion Temp:Autoignition Temp Text:500F

Lower Limits:1.0

Upper Limits:6.4

Extinguishing Media:FOAM,CARBON DIOXIDE,DRY CHEMICAL.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST.DECOMPOSITION PRODUCTS MAY BE TOXIC.VAPORS ARE HEAVIER THAN AIR,CAN TRAVEL DISTANCES ALONG THE GROUND,AND FLASHBACK AT THE SOURCE.

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Accidental Rel

ease Measures =====

Spill Release Procedures:ACTIVATE OIL SPILL PROCEDURES. ELIMINATE ALL SOURCES OF IGNITION. STAY UPWIND. WEAR PROPER PERSONAL PROTECTIVE GEAR. ISOLATE & DENY ENTRY. STOP LEAK IF NO RISK. ABSORB WITH INERT MATERIAL & PLACE IN A CONTAINER FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED PLACE. K

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT, SPARKS, FLAMES AND INCOMPATIBLE MATERIALS.

Other Precautions:BOND & GROUND CONTAINERS WHEN TRANSFERRING LIQUID; FLOWING HYDROCARBONS CAN BECOME ELECTROSTATICALLY CHARGED. NOTE ON SPILLS: IF ENTERS/THREATENS WATERWAY OR SHORELINE, NOTIFY NATIONAL RESPONSE CENTER AT 800-424-8802.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE

OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE, NITRILE-BUTADIENE RUBBER

Eye Protection:SPLASH GOGGLES.DO NOT WEAR CONTACT LENSE

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:FREE TANKS OF VAPORS BEFORE ENTERING. USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING.

Supplemental Safety and Health

NOTE TO PHYSICIAN:USE GASTRIC LAVAGE WITH ACTIVATED CHARCOAL TO PREVENT ABSORPTION.USE AN INTRATRACHEAL TUBE TO PREVENT ASPIRATION.ADRENALIN IS NOT ADVISED.FOLLOW CHANGES IN BLOOD CHEMISTRY.

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

HCC:F2

Boiling Pt:B.P.

Text:205F,96C

Vapor Pres:51.72

Vapor Density:3.7

Spec Gravity:0.75

Solubility in Water:NEGLIGIBLE

Appearance and Odor:WATER WHITE LIQUID; MILD HYDROCARBON ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS,STRONG ACIDS,CAUSTICS,HALOGENS.

Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON

MONOXIDE,REACTIVE H

YDROCARBONS (ALDEHYDES,AROMATICIS).

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. CONSIDER RCRA CODE D001 (IGNITABLE).

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