

PHIBRO ENERGY USA INC -- 300-66A SOLVENT -- 6850-00-264-9038

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

Product ID:300-66A SOLVENT

MSDS Date:11/30/1992

FSC:6850

NIIN:00-264-9038

MSDS Number: BTQYJ

=== 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:713-923-6641,800-424-9300

(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

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

Ingred Name:STODDA

RD SOLVENT
CAS:8052-41-3
RTECS #:WJ8925000
Fraction by Wt: 86-97%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:100 PPM; 9394

Ingred Name:N-NONANE
CAS:111-84-2
RTECS #:RA6115000
Fraction by Wt: 1-6%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM; 9394

Ingred Name:N-OCTANE
CAS:111-65-9
RTECS #:RG8400000
Fraction by Wt: 1-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:300 PPM/375STEL;9394

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III)
CAS:95
-63-6
RTECS #:DC3325000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM; 9394

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYES: SEVERE IRRITATION,
CONJUNCTIVITIS. SKIN: MODERATE IRRITATION. INHALATION: NASAL AND
RESPIRATORY TRACT

IRRITATION, CNS EFFECTS, LOSS OF CONSCIOUSNESS, COMA, RESPIRATORY ARREST, DEATH. INGESTION: HARMFUL/FATAL IF SWALLOWED. CHRONIC: DERMATITIS, ANEMIA, IRREGULAR HEART RHYTHM, BEHAVIORAL CHANGES, DEATH.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DEFATTING, INFLAMMATION, DERMATITIS, INFECTION. HIGH PRESSURE SKIN INJECTIONS ARE SERIOUS MEDICAL EMERGENCIES. INHALATION: IRRITATION, CNS EFFECTS, DIZZINESS, DROWSINESS, NAUSEA, HEADACHE, CONVULSIONS, COMA, DEATH. INGESTION: NAUSEA, VOMITING, DIARRHEA, GI UPSET, HARMFUL CNS EFFECTS.

Medical Condition Aggravated by Exposure:PREEXISTING EYE, SKIN, HEART, CNS, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point:105F,41C
Lower Limits:0.9
Upper Limits:6.0
Extinguishing Media:DRY CHEMICAL, FOAM, CARBON DIOXIDE. CONSULT FOAM MANUFACTURER FOR APPROPRIATE MEDIA APPLICATION RATES/WATER FOAM RATIO.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS.COOL FIRE EXPOSED CONTAINERS AND PROTECT PERSONNEL WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:VAPORS FORM FLAMMABLE/EXPLOSIVE MIXTURES WITH AIR AT ROOM TEMPERATURES. VAPORS MAY SPREAD TO DISTANT IGNITION SOURCES AND FLASH BACK OR EXPLODE.

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

Spill Release Procedures:ELIMINATE

TE SOURCES OF IGNITION. WEAR

APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. STOP SOURCE OF LEAK. DIKE TO PREVENT FROM ENTERING SEWERS, STORM DRAINS AND NATURAL WATERWAYS. VACUUM OR PUMP TO SAL VAGE VESSEL. ABSORB RESIDUE IN ABSORBENT MATERIAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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

Other Precautions:USE NON-SPARKING TOOLS AND EXPLOSION PROOF EQUIPMENT. GROUND LINES, CONTAINERS, AND OTHER EQUIPMENT USED DURING PRODUCT TRANSFER TO REDUCE POSSIBILITY OF A STATIC INDUCED SPARK. DO NOT TRANSFER TO ANOTHER CONTAINER UNLESS PROPERLY LABELED.

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

Respiratory Protection:IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH/MSHA APPROVED RESPIRATOR. PROPER RESPIRATOR SELECTION SHOULD BE BASED ON THE CONTAMINANTS, DEGREE OF POTENTIAL EXPOSURE AND PUBLISHED RESPIRATORY PROTECTION FACTORS.

Ventilation:USE ADEQUATE, EXPLOSION-PROOF, LOCAL AND/OR MECHANICAL (GENERAL) VENTILATION TO HOLD EXPOSURE BELOW ALLOWABLE TLV/PEL.

Protective Gloves:PROTECTIVE GLOVES TO MINIMIZE EXPOSURE.

Eye Protection:SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:DO NOT WEAR CONTACT LENSES. WEAR IMPERVIOUS CLOTHING TO MINIMIZE CONTACT. PROVIDE EYE WASH STATION AND SAFETY SHOWER.

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

Supplemental Safety and Health

VESSELS AND CONFINED SPACES SHOULD BE FREED OF VAPORS BEFORE ENTERING. AREA SHOULD BE CHECKED WITH EXPLOSIMETER AND OXYGEN METER BEFORE ENTERING. EMPTY CONTAINERS MAY CONTAIN TOXIC, FLAMMABLE OR EXPLOSIVE RESIDUES OR VAPORS. DO NOT CUT, GRIND, DRILL, WELD, OR REUSE

EMPTY CONTAINERS THAT CONTAINED THIS PRODUCT.

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

HCC:F4

Boiling Pt:B.P. Text:310 TO 400F

Vapor Pres:0.1 PSI

Vapor Density:5.0

Spec Gravity:0.77

Solubility in Water:NEGLIGIBLE

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

Percent Volatiles by Volume:MODERA

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS (PEROXIDE, DICHROMATE, PERMANGANATE, CHLORINE, ETC.), STRONG ACIDS, CAUSTICS, HALOGENS.

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS OF USE. AVOID HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, REACTIVE HYDROCARBONS (ALDEHYDES, AROMATICS, ETC.).

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE

AND FEDERAL REGULATIONS. CONTACT FIRE AUTHORITIES AND APPROPRIATE FEDERAL, STATE AND LOCAL AGENCIES. IF SPILL IS MADE INTO NAVIGABLE WATERS OR SHORELINES, NOTIFY NATIONAL RESPONSE CENTER, 800-424-8802.

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