

PHOENIX INDUSTRIES INC -- PETROLEUM ETHER -- 6810-00-584-3079

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

Product ID:PETROLEUM ETHER

MSDS Date:12/01/2000

FSC:6810

NIIN:00-584-3079

Status Code:A

MSDS Number: CKYCM

=== Responsible Party ===

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY

City:RICHMOND

State:VA

ZIP:23222

Country:US

Info Phone Num:804-264-5183

Emergency Phone Num:800-424

-9300/800-4248802

Chemtrec Ind/Phone:(800)424-9300

CAGE:0YED2

=== Contractor Identification ===

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-264-5183/FAX: 264-5535

Contract Num:SP0450-01-M-D460

CAGE:0YED2

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-264-5183/FAX: 264-5535

Contract Num:SP0450-99-MNK27

CAGE:0YED2

===== Compo

sition/Information on Ingredients =====

Ingred Name:VM&P NAPHTHA (LIGROINE)  
CAS:8032-32-4  
RTECS #:O16180000  
Minumum % Wt:98.  
Maxumum % Wt:100.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:300 PPM  
ACGIH TLV:300 PPM; 9596

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

LD50 LC50 Mixture:INHALATION LC50(RAT): 3400 PPM / 4 HRS

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: CENTRAL NERVOUS SYSTEM.

EYE-CAUSES EYE IRRITATION. SKIN-EXPOSURE MAY CAUSE IRRITATION.  
INGESTION-ASPIRATION HAZARD. CAUSES GASTROINTESTINAL IRRITATION.  
MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. ADVANCED STAGES MAY  
CAUSE COLLAPSE, UNCONSCIOUSNESS, COMA AND POSSIBLE DEATH DUE TO  
RESPIRATORY FAILURE. INHALATION- INHALATION OF HIGH CONCENTRATIONS  
MAY CAUSE CENTRAL NERVOUS SYSTEM EFFE CTS. CHRONIC: PROLONGED OR  
REPEATED SKIN CONTACT MAY CAUSE DERMATITIS.

Explanation of Carcinogenicity:ACGIH: A3, CONFIRMED ANIMAL CARCINOGEN.

Effects of Overexposure:SKIN-REDNESS, DRYNESS, AND INFLAMMATION.

INGESTION-CAUSES NAUSEA, VOMITING AND DIARRHEA. MAY CAUSE HEADACHE,  
DIZZINESS, DROWSINESS, AND NAUSEA. INHALATION-HEADACHE, DIZZINESS,  
UNCONSCIOUSNESS AND COMA .

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

First Aid:EYES-IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES,  
OCCASIONALLY LIFTING UPPER/LOWER LIDS. GET

MEDICAL AID. SKIN-GET

MEDICAL AID. IMMEDIATELY FLUSH SKIN WITH PLENTY OF SOAP AND WATER  
FOR 15 M INUTES WHILE REMOVING CONTAMINATED CLOTHING/SHOES.  
INGESTION- DO NOT INDUCE VOMITING. IF CONSCIOUS/ALERT, GIVE 2-4  
CUPFULS OF MILK OR WATER. NEVER GIVE ANYTHING BY MOUTH TO  
UNCONSCIOUS PERSON. GET MED ICAL AID IMMEDIATELY. INHALATION-GET  
MEDICAL AID IMMEDIATELY. REMOVE FROM EXPOSURE TO FRESH AIR  
IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF  
BREATHING I

S DIFFICULT, GIVE OXYGEN.

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

Flash Point:=-17.8C, 0.F

Autoignition Temp:=-288.C, 550.4F

Lower Limits:1.1

Upper Limits:5.9

Extinguishing Media:FOR SMALL FIRES, USE DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGE FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures:AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE DEMAND, MSHA/NIOSH APPROVED, & FULL PROTECTI

VE GEAR. DO NOT USE STRAIGHT STREAMS OF WATER. VAPORS MAY FORM AN EXPLOSIVE MIXTURE WITH AIR. VAPORS CAN TRAVEL TO SOURCES OF IGNITION AND FLASHBACK.USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:CONTAINERS MAY EXPLODE WHEN HEATED. MATEIAL IS LIGHTER THAN WATER AND WILL FLOAT ON IT. FIRE COULD EASILY BE SPREAD BY THE USE OF WATER IN AN AREA WHERE WATER CANNOT BE CONTAINED.

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

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Spill Release Procedures:ABSORB SPILL WITH INERT MATERIAL THEN PLACE IN A CHEMICAL WASTE CONTAINER. REMOVE ALL SOURCES OF IGNITION. USE A SPARK-PROOF TOOL. A VAPOR-SUPPRESSING FOAM MAY BE USED TO SUPPRESS VAPORS. WATER SPRAY MAY REDUCE VAPOR BUT MAY NOT PREVENT IGNITION IN CLOSED SPACES.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLES. EMPTY CONTAINERS RETAIN PRODUCT

RESIDUE AND CAN BE DANGEROUS. KEEP CONTAINER TIGHTLY CLOSED. AVOID CONTACT WITH HEAT, SPARKS AND FLAME. AVOID INGESTION AND INHALTION. PREVENT BUILDUP OF VAPORS TO EXPLOSIVE CONCENTRATION.

Other Precautions:TO EXPLOSIVE CONCENTRATION. DANGER! DO NOT OPEN CONTAINER UNLESS CONTENTS ARE AT ROOM TEMP (72F OR BELOW). USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH SKIN, EYE OR CLOTHES. EMPTY CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. KEEP CON

TAINER TIGHTLY CLOSED. AVOID CONTACT WITH HEAT, SPARKS AND FLAME.

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

Respiratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29CFR 1910.134. ALWAYS USE A NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN

EXPOSURE.

Eye Protection:WEAR APPROPRIATE PROTECTIVE EYEGASSES OR CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.

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

Supplemental Safety and Health

DANGER! EXTREMELY FLAMMABLE LIQUID. MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. ASPIRATION HAZARD. POISON! CAUSES EYE AND SKIN

IRRITATION. CAUSES DIGESTIVE AND RESPIRATORY TRACT IRRITATION. HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL.

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

HCC:F1

Boiling Pt.=35.C, 95.F

B.P. Text:35-60C

Vapor Pres:40MMHG

Vapor Density:2.5

Spec Gravity:0.6-0.75

Evaporation Rate & Reference:10 (BUTYL ACETATE=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:COLORLESS LIQUID WITH A KEROSENE-LIKE ODOR.

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

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Stability Indicator/Materials to Avoid: YES

MAY EXPLODE WITH NITROGEN TETROXIDE, POTENTIAL VIOLENT REACTION WITH STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: INCOMPATIBLE MATERIALS, IGNITION SOURCES, EXCESS HEAT.

Hazardous Decomposition Products: CARBON DIOXIDE AND CARBON MONOXIDE.

Conditions to Avoid Polymerization: HAS NOT BEEN REPORTED.

===== Toxicological Information =====

Toxicological Information: INHALATION (RAT) LC50 = 3400 PPM/4HRS.

===== Ecological Information =====

Ecological: ECOTOXICITY: THIS MATERIAL IS EXPECTED TO CAUSE SOME OXYGEN DEPLETION IN AQUATIC SYSTEMS. IT HAS A LOW POTENTIAL TO AFFECT AQUATIC ORGANISMS, SECONDARY WASTE TREATMENT MICROORGANISMS & GERMINATION OF SOME PLANTS. IT HAS A MODERATE POTENTIAL TO AFFECT GERMINATION & GROWTH OF SOME PLANTS. ENVIRONMENT FATE: THIS CHEMICAL DOES NOT BIOCONCENTRATE. WHEN DILUTED WITH WATER, THIS CHEMICAL RELEASED DIRECTLY OR INDIRECTLY INTO ENVIRONMENT IS NOT EXPECTED TO HAVE A SIGNIFICANT IMPACT.

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

Waste Disposal Methods: DISPOSE OF IN A MANNER CONSISTENT WITH LOCAL, STATE AND FEDERAL REGULATIONS. RCRA-D/F/P/U SERIES: NOT LISTED. NOT LISTED AS A MATERIAL BANNED FROM LAND DISPOSAL ACCORDING TO RCRA.

===== MSDS Transport Information =====

Transport Information: PSN: PETROLEUM DISTILLATES, N.O.S (PETROLEUM ETHER), 3, UN1268, I.

===== Regulatory Information =====

SARA Title III Information: SARA SEC 301 (RQ): NONE OF THE CHEMICALS IN THIS MATERIAL HAVE AN RQ. SEC 302 (TPQ): NONE OF THE CHEMICALS IN THIS MATERIAL HAVE A TPQ. SEC 313: NO CHEMICALS ARE REPORTABLE UNDER THIS SECTION. CLEAN AIR ACT: THIS CHEMICAL DOES NOT CONTAIN ANY HAZARDOUS AIR POLLUTANTS, OR CLASS 1 OR CLASS 2 OZONE DEPLETORS. CLEAN WATER ACT: NONE OF THE CHEMICALS

IN THIS PRODUCT ARE LISTED

AS HAZARDOUS SUBSTANCES UNDER THE CWA. NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS PRIORITY POLLUTANTS UNDER CWA, OR TOXIC POLLUTANTS UNDER CWA.

Federal Regulatory Information:TSCA: CAS #8032-32-4 IS LISTED ON TSCA INVENTORY. HEALTH AND SAFETY REPORTING LIST: NONE OF THE CHEMICALS ARE ON THE HEALTH AND SAFETY REPORTING LIST. CHEMICAL TEST RULES: NONE OF THE CHEMICALS ARE ON THE CHEMICAL TEST RULE. SECTION 12B: NONE OF THE CHEMICALS

ARE LISTED UNDER TSCA SEC 12B. TSCA

SIGNIFICANT NEW USE RULE: NONE OF THE CHEMICALS IN THIS MATERIAL HAVE A SNUR UNDER TSCA. OSHA: NONE OF THE CHEMICALS IN THIS PRODUCT ARE CONSIDERED HIGHLY HAZARDOUS BY OSHA.

State Regulatory Information:NOT PRESENT ON STATE LISTS FROM CA, PA, MN, MA, FL, OR NJ.

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