



Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300 or 202-483-7616

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: PETROLEUM ETHER
This MSDS is valid for all grades and catalog numbers

General Information

Company's Name: PHARMCO PRODUCTS, INC.
Company's Street: 58 VALE RD.
Company's City: BROOKFIELD
Company's State: CT
Company's Zip Code: 06804
Company's Emerg Ph #: (203) 740-3471
Company's Info Ph #: (203) 740-3471

Date MSDS Revised: Nishant-8/23/99
Safety Data Review Date: 8/23/99
Preparer's Company: PHARMCO PRODUCTS, INC.
Preparer's St Or P. O. Box: 58 VALE RD.
Preparer's City: BROOKFIELD
Preparer's State: CT
Preparer's Zip Code: 06804

Ingredients/Identity Information

Ingredient: BLEND OF MINERAL SPIRITS
Ingredient Sequence Number: 01
NIOSH (RTECS) Number: DE3030000
CAS Number: 8030-30-6

OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Physical/Chemical Characteristics

Appearance And Odor: COLORLESS TO LIGHT YELLOW LIQUID, GASOLINE-LIKE ODOR
Boiling Point: 95.0F, 35.0C
Melting Point: <163F, <73C
Vapor Pressure (MM Hg/70 F): 100
Vapor Density (Air=1): 2.5

Specific Gravity: 0.642
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: FAST, >1 (BUT ACET=1)
Solubility In Water: NEGLIGIBLE
Percent Volatiles By Volume: 100
Corrosion Rate (IPY): UNKNOWN

Fire and Explosion Hazard Data

Flash Point: -50F, -46C
Lower Explosive Limit: 1.1
Upper Explosive Limit: 5.9

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE
EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire And Expl Hazrds: CONFINED MATERIAL MAY EXPLODE UPON HEATING.

Reactivity Data

Stability: YES	Hazardous Decomp Products: OXIDES OF CARBON
Cond To Avoid (Stability): HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION	Hazardous Poly Occur: NO
Materials To Avoid: STRONG OXIDIZING AGENTS	Conditions To Avoid (Poly): NONE NOTED

Health Hazard Data

LD50-LC50 Mixture: LDL0=50 MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE:IRRITATION OF EYES,SKIN;INTOXICATION
HEADACHE,NAUSEA,COMA,DIARRHEA,BURNING SENSATION.CHRONIC:MAY CAUSE
HEMORRHAGES INTO VITAL ORGANS.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
INTOXICATION,HEADACHE,NAUSEA COMA. INGESTION:NAUSEA,DIARRHEA,DROWSINESS;
PULMONARY EDEMA,BURNING SENSATION.
Emergency/First Aid Proc: INHALE:REMOVE TO FRESH AIR, GIVE CPR/O*2 IF
NEED;EYES/SKIN:FLUSH W LG AMTS H*2O FOR 15 MIN;INGEST:RINSE MOUTH; GET
MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER SYMPTOMS OF
OVEREXPOSURE.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: USE PROPER PERSONAL PROTECTION;ELIMINATE ALL
IGNITION SOURCES;VENTILATE AREA;USE SUITABLE ABSORBENT MATERIAL AND
RECOVER
FOR PROPER DISPOSAL.
Waste Disposal Method: DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH
LOCAL,STATE AND FEDERAL REGULATIONS.
Precautions-Handling/Storing: STORE IN COOL DRY AND WELL VENTILATED AREA.
KEEP AWAY FROM HEAT,SPARKS,OPEN FLAMES.
Other Precautions: USE CAUTION WHEN HANDLING OR CLEANING EMPTY DRUMS.

Control Measures

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC
VAPORS/MIST IF ABOVE TLV.

Ventilation: PROVIDE MECHAN(GEN/LOCAL EXHAUST)VENT TO MAINTN <TLV
Protective Gloves: NEOPRENE
Eye Protection: SAFETY/CHEM GOGGLES
Other Protective Equipment: FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE
WASH STATION
Work Hygienic Practices: AVOID CONTACT WITH EYES AND SKIN;DO NOT USE
CONTAMINATED CLOTHES.WASH AFTER EACH USE.DO NOT BREATHE VAPORS OR EAT
OR
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Transportation Data
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Trans Data Review Date: 91286 IATA UN Class: 3
DOT PSN Code: LLS IATA Label: FLAMMABLE LIQUID
DOT Proper Shipping Name: PETROLEUM AFI PSN Code: TKP
SPIRIT AFI Prop. Shipping Name: PETROLEUM
DOT Class: 3 SPIRIT
DOT ID Number: UN1271 AFI Class: 3
DOT Pack Group: II AFI ID Number: UN1271
DOT Label: FLAMMABLE LIQUID AFI Pack Group: II
IMO PSN Code: LML AFI Label: FLAMMABLE LIQUID
IATA PSN Code: TKP AFI Basic Pac Ref: 7-7
IATA UN ID Number: 1271 Additional Trans Data: SHIPPING NAME PER
IATA Proper Shipping Name: PETROLEUM MSDS DATED:8/81
SPIRIT
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Disposal Data
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Disposal Data Review Date: 88235
Rec # For This Disp Entry: 05
Tot Disp Entries Per NSN: 007
Landfill Ban Item: YES
Disposal Supplemental Data: MSDS DATED:8/81 IN CASE OF ACCIDENTAL EXPOSURE
OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR PRECAUTIONS.
1st EPA Haz Wst Code New: D001
1st EPA Haz Wst Name New: IGNITIBLE
1st EPA Haz Wst Char New: IGNITABILITY
1st EPA Acute Hazard New: NO
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Label Data
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Label Required: P
Technical Review Date: 13OCT91
Label Status: F
Common Name: PETROLEUM ETHER
Signal Word: DANGER!
Acute Health Hazard-Moderate: X
Contact Hazard-Moderate: X
Fire Hazard-Severe: X
Reactivity Hazard-None: X
Special Hazard Precautions: FLAMMABLE MATERIAL;MAY BE IGNITED BY HEAT

SPARKS,HEAT OR FLAMES.MAY BE POISONOUS IF INHALED OR ABSORBED THROUGH SKIN.
VAPORS MAY CAUSE HEADACHE,NAUSEA,DIZZINESS OR SUFFOCATION.CONTACT MAY IRRITATE OR BURN SKIN AND EYES.FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.AVOID
CONTACT WITH EYES AND SKIN.DO NOT BREATHE VAPORS/MIST.KEEP AWAY FROM HEAT,
OPEN FLAMES AND SPARKS.FIRST AID:IF INGESTED OR INHALED,REMOVE TO FRESH AIR/CPR AND CONSULT A PHYSICIAN.FOR EYES AND SKIN,FLUSH WITH RUNNING WATER FOR ABOUT 15-20 MINUTES AND SEEK MEDICAL HELP IMMEDIATELY.

Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: PHARMCO PRODUCTS INC..
Label Street: 58 VALE ROAD
Label City: BROOKFIELD
Label State: CT
Label Zip Code: 06804
Label Country: US
Label Emergency Number: CHEMTREC 800-424-9300

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PHARMCO PRODUCTS INC. -- PETROLEUM ETHER - PETROLEUM ETHER,ACS
MATERIAL SAFETY DATA SHEET
FSC: 6810
NIIN: 002271307
Manufacturer's CAGE: 63415
Part No. Indicator: A
Part Number/Trade Name: PETROLEUM ETHER

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General Information

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Item Name: PETROLEUM ETHER,ACS	Status: SM
Company's Name: PHARMCO PRODUCTS INC..	Date MSDS Prepared: 09OCT90
Company's Street: 58 VALE ROAD	Safety Data Review Date: 13OCT91
Company's City: BROOKFIELD	Supply Item Manager: CX
Company's State: CT	MSDS Preparer's Name: C.A. EISENHARD
Company's Country: US	MSDS Serial Number: BDKSW
Company's Zip Code: 06804	Specification Number: O-C-265
Company's Emerg Ph #: CHEMTREC 800-424-9300	Hazard Characteristic Code: F2
Company's Info Ph #: 203 740-3471	Unit Of Issue: CN
Record No. For Safety Entry: 007	Unit Of Issue Container Qty: 5.0GL
Tot Safety Entries This Stk#: 009	Type Of Container: CAN
	Net Unit Weight: 27 POUNDS

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Ingredients/Identity Information

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NIOSH (RTECS) Number: DE3030000	Other Recommended Limit: NONE SPECIFIED
CAS Number: 8030-30-6	

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Physical/Chemical Characteristics

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Appearance And Odor: COLORLESS TO
LIGHT YELLOW LIQUID,GASOLINE-LIKE
ODOR

Boiling Point: 95.0F,35.0C

Melting Point: <163F,<73C

Vapor Pressure (MM Hg/70 F): 100

Vapor Density (Air=1): 2.5

Specific Gravity: 0.642

Decomposition Temperature: UNKNOWN

Evaporation Rate And Ref:

FAST,>1(BUT.ACET=1)

Solubility In Water: NEGLIGIBLE

Percent Volatiles By Volume: 100

Corrosion Rate (IPY): UNKNOWN
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Fire and Explosion Hazard Data

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Flash Point: -50F,-46C

Lower Explosive Limit: 1.1

Upper Explosive Limit: 5.9

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
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Unusual Fire And Expl Hazrds: CONFINED MATERIAL MAY EXPLODE UPON HEATING.
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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): HIGH HEAT,
OPEN FLAMES AND OTHER SOURCES OF
IGNITION

Materials To Avoid: STRONG OXIDIZING
AGENTS

Hazardous Decomp Products: OXIDES OF
CARBON

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NONE NOTED
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Health Hazard Data

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Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: ACUTE:IRRITATION OF EYES,SKIN;INTOXICATION
HEADACHE,NAUSEA,COMA,DIARRHEA,BURNING SENSATION.CHRONIC:MAY CAUSE
HEMORRHAGES INTO VITAL ORGANS.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

INTOXICATION,HEADACHE,NAUSEA COMA. INGESTION:NAUSEA,DIARRHEA,DROWSINESS;
PULMONARY EDEMA,BURNING SENSATION.

Emergency/First Aid Proc: INHALE:REMOVE TO FRESH AIR, GIVE CPR/O*2 IF
NEED;EYES/SKIN:FLUSH W LG AMTS H*2O FOR 15 MIN;INGEST:RINSE MOUTH; GET
MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER SYMPTOMS OF
OVEREXPOSURE.
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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: USE PROPER PERSONAL PROTECTION;ELIMINATE ALL
IGNITION SOURCES;VENTILATE AREA;USE SUITABLE ABSORBENT MATERIAL AND
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FOR PROPER DISPOSAL.

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LOCAL,STATE AND FEDERAL REGULATIONS.

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KEEP AWAY FROM HEAT,SPARKS,OPEN FLAMES.

Other Precautions: USE CAUTION WHEN HANDLING OR CLEANING EMPTY DRUMS.
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Control Measures

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Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC
VAPORS/MIST IF ABOVE TLV.

Ventilation: PROVIDE MECHAN(GEN/LOCAL EXHAUST)VENT TO MAINTN <TLV

Protective Gloves: NEOPRENE

Eye Protection: SAFETY/CHEM GOGGLES

Other Protective Equipment: FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE
WASH STATION

Work Hygienic Practices: AVOID CONTACT WITH EYES AND SKIN;DO NOT USE
CONTAMINATED CLOTHES.WASH AFTER EACH USE.DO NOT BREATHE VAPORS OR EAT
OR
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Transportation Data

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Trans Data Review Date: 91286

DOT PSN Code: LLS

DOT Proper Shipping Name: PETROLEUM
SPIRIT

DOT Class: 3

DOT ID Number: UN1271

DOT Pack Group: II

DOT Label: FLAMMABLE LIQUID

IMO PSN Code: LML

IATA PSN Code: TKP

IATA UN ID Number: 1271

IATA Proper Shipping Name: PETROLEUM
SPIRIT

IATA UN Class: 3

IATA Label: FLAMMABLE LIQUID

AFI PSN Code: TKP

AFI Prop. Shipping Name: PETROLEUM
SPIRIT

AFI Class: 3

AFI ID Number: UN1271

AFI Pack Group: II

AFI Label: FLAMMABLE LIQUID

AFI Basic Pac Ref: 7-7
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Disposal Data

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Landfill Ban Item: YES

Disposal Supplemental Data: MSDS DATED:8/81 IN CASE OF ACCIDENTAL EXPOSURE
OR DISCHARGE, CONSULT HEALTH AND SAFETY FILE FOR PRECAUTIONS.

1st EPA Haz Wst Code New: D001

1st EPA Haz Wst Name New: IGNITIBLE

1st EPA Haz Wst Char New: IGNITABILITY

1st EPA Acute Hazard New: NO
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Label Data

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Common Name: PETROLEUM ETHER

Signal Word: DANGER!

Acute Health Hazard-Moderate: X

Contact Hazard-Moderate: X

Fire Hazard-Severe: X

Reactivity Hazard-None: X

Special Hazard Precautions: FLAMMABLE MATERIAL;MAY BE IGNITED BY HEAT
SPARKS,HEAT OR FLAMES.MAY BE POISONOUS IF INHALED OR ABSORBED THROUGH
SKIN.

VAPORS MAY CAUSE HEADACHE,NAUSEA,DIZZINESS OR SUFFOCATION.CONTACT MAY
IRRITATE OR BURN SKIN AND EYES.FIRE MAY PRODUCE IRRITATING OR POISONOUS
GASES.RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE
POLLUTION.AVOID

CONTACT WITH EYES AND SKIN.DO NOT BREATHE VAPORS/MIST.KEEP AWAY FROM
HEAT,

OPEN FLAMES AND SPARKS.FIRST AID:IF INGESTED OR INHALED,REMOVE TO FRESH
AIR/CPR AND CONSULT A PHYSICIAN.FOR EYES AND SKIN,FLUSH WITH RUNNING WATER
FOR ABOUT 15-20 MINUTES AND SEEK MEDICAL HELP IMMEDIATELY.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

The information contained herein is based on data considered to be accurate. However, no warranty is
expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the
user's obligation to determine the conditions of safe use of the product.