

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

MATERIAL SAFETY DATA SHEETS

SECTION I

PRODUCT AND COMPANY IDENTIFICATION

Product: Petroleum Ether
This MSDS is valid for all grades that start with catalog number 366

Synonyms: Ligroin, Petroleum Naphtha, Petroleum Spirits
Manufacturer: Pharmco Products Inc.
58 Vale Road
Brookfield, Connecticut 06804, USA
Phone (203) 740-3471
Fax (203) 740-3481

Emergency Contact:
CHEMTREC 1-800-424-9300

SECTION II

COMPOSITION /INFORMATION ON INGREDIENTS

%wt	Material	CAS	Exposure Limits
100%	Petroleum Ether	8032-32-4	None Established

SECTION III

HAZARDS IDENTIFICATION

Extremely flammable liquid and vapor. Vapor may cause flash fire. Harmful or fatal if swallowed. Harmful if inhaled. May affect central nervous system. May cause irritation to skin, eyes, and respiratory tract.

Routes of Exposure:

LD50-LC50 Mixture: LD₅₀=50 MG/KG

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Hazard Acute And Chronic:

Acute: irritation of eyes, skin: intoxication, headache, nausea, coma, diarrhea, burning sensation.

Chronic: may cause hemorrhaging of mucous membranes

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Medical Conditions Aggravated by Overexposure:

Persons with pre-existing skin disorders or eye problems, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance

SECTION IV

FIRST AID

Obtain medical attention for all cases of over-exposure.

Swallowing: If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to unconscious person. Call a physician immediately.

Skin: Wash skin with soap and water for at least 15 minutes
Inhalation: Remove to fresh air; Give artificial respiration if not breathing; If breathing is difficult oxygen may be given by qualified personnel; Obtain medical assistance if discomfort persists.

Eye Contact: Flush eyes with water for at least 15 minutes. Obtain medical attention.

SECTION V

FIRE FIGHTING MEASURES

Fire/Explosive Properties

Flash Point: -50F, -46C

Lower Explosive Limit: 1.1

Upper Explosive Limit: 5.9

NFPA Rating: Health 1 Fire 4 Reactivity 0

Extinguishing media: use water fog, carbon dioxide, foam, or dry chemical. Do not allow runoff to enter sewers or waterways.

Special fire fighting procedures: wear fire fighting protective equipment and a NIOSH-approved full-faced self-contained breathing apparatus. Evacuate area. Cool fire exposed containers with water spray.

Unusual fire and explosion hazards: Confined material may explode upon heating. Vapors can flow along surfaces to distant ignition source and flash back.

SECTION VI

SPILL/ACCIDENTAL RELEASE MEASURES

Steps if material released / spilled: 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.

SECTION VII HANDLING AND STORAGE

- ♦ Flammable material - keep away from heat, sparks, and flame; sudden releases of hot organic vapors or mists from process equipment operating at elevated temperature may result in ignitions without the presence of obvious ignition sources.
- ♦ Use non-sparking tool and equipment.
- ♦ Keep container closed.
- ♦ Use with adequate ventilation.
- ♦ Ground container when transferring product.
- ♦ Vapors may collect in containers; treat empty containers as hazardous.
- ♦ Wash thoroughly after handling
- ♦ Vapors may settle in low or confined areas.

SECTION VIII EXPOSURE CONTROLS / PERSONAL ROTECTION

Respiratory protection: use NIOSH approved respirator for organic vapors/mist if above TLV.

Ventilation: provide mechanical (general/local exhaust) ventilation to maintain exposure below TLV.

Skin protection: wear protective gloves and clean body-covering clothing .

Eye protection: use safety goggles and/or full face shield where splashing possible.

Other protective equipment: safety shower, eye wash station.

Work hygienic practices: avoid contact with eyes and skin; do not use contaminated clothes.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION X STABILITY/REACTIVITY INFORMATION

Stability: Stable under ordinary conditions of use and storage.

Conditions to avoid (stability): high heat, open flames and other sources of ignition.

Materials to avoid: strong oxidizing agents

Hazardous decomposition products: oxides of carbon

Hazardous polymerization occur: no

SECTION XI DISPOSAL CONSIDERATIONS

Vapors may collect in empty containers. Treat empty containers as hazardous.

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Dispose of spill-clean up and other wastes in accordance with Federal, State, and local regulations.

SECTION XII TRANSPORTATION INFORMATION

DOT Proper Shipping Name: PETROLEUM

DISTILLATES, N.O.S. (PETROLEUM ETHER)

DOT Class: 3

DOT ID Number: UN1268

DOT Pack Group: I

DOT Label: FLAMMABLE LIQUID

IMO PSN Code: LLZ

IMO Proper Shipping Name: PETROLEUM

DISTILLATES, N.O.S. o

IMDG Page Number: 3141

UN Number: 1268

UN Hazard Class: 3.1

IMO Packaging Group: I/II

EMS Number: 3-07

MED First Aid Guide NUM: 311

AFI Proper Shipping Name: PETROLEUM DISTILLATES, N.O.S.

AFI Hazard Class: 3

AFI UN ID NUM: UN1268

AFI Packing Group: I

Special Provisions: P3

Back Pack Reference: A7.3

IATA PSN Code: TKP

IATA UN ID Number: 1268

IATA Proper Shipping Name: PETROLEUM

DISTILLATES

IATA UN Class: 3

IATA Label: FLAMMABLE LIQUID

SECTION XIII REGULATORY INFORMATION

Federal EPA

Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in CFR. Components present in this product at a level which could require reporting under this statute are:

Chemical	CAS Number	Upper Bound Conc. %
None		

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.