



Aldon Corporation

221 Rochester Street
Avon, NY 14414
(585) 226-6177

MATERIAL SAFETY DATA SHEET

MSDS No.: PP0105
Revision Date: November 17, 2008
Approved by: James A. Bertsch

MSDS No.: PP0105

Section 1 Chemical Product and Company Information

Product	PETROLEUM ETHER
Synonyms	Ligroin; VM&P Naphta

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

Section 2 Hazards Identification

Emergency Overview

DANGER! EXTREMEY FLAMMABLE!

HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED. CAUSES IRRITATION. Vapor may cause flash fire. May effect central nervous sytem. Keep away from heat, sparks and flame. Avoid breathing vapor. Avoid contact with skin, eyes, and clothing. Do not open unless contents are at room temperature (72°F) or below for at least 24 hours. Target organs: Central nervous sytem.

0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Health	2
Fire	4
Reactivity	1
Contact	2

HMIS *

Section 3 Composition / Information on Ingredients

Chemical Name	CAS #	%	TLV Units
Petroleum ether	8032-32-4	100%	TWA: 300 ppm (A3) (VM&P naphta) (ACGIH 2001)

Section 4 First Aid Measures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

General information: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. EXTREMELY FLAMMABLE LIQUID AND VAPOR. Vapor may cause flash fire. Dangerous fire hazard when exposed to heat or flame. Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire. Use water spray to keep fire-exposed containers cool. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. If a leak or spill has not ignited, use water spray to disperse the vapors, and to flush spills away from exposures.

Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam.

Flash Point: -18°C (0°F) Closed Cup

Autoignition temperature: 288°C (550°F)

Explosion Limits: Lower: 1.1% **Upper:** 5.9%

Section 6 Accidental Release Measures

Use proper personal protective equipment as indicated in Section 8. Remove all sources of ignition. Provide adequate ventilation. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water. Avoid runoff into storm sewers and ditches which lead to waterways.

(2008 EMERGENCY RESPONSE GUIDEBOOK, (PHH50-ERG2008), GUIDE PAGE NO. 128)

Section 7 Handling & Storage FLAMMABLE STORAGE CODE RED

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. **Handling:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale vapors, spray or mist. Wash thoroughly after handling. Remove and wash clothing before reuse. **Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

Section 8 Exposure Controls / Personal Protection

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: Use a chemical fume hood and/or wear a NIOSH/MSHA-approved respirator.

Section 9 Physical & Chemical Properties

Physical state: Liquid.

Appearance: Clear, colorless.

Odor: Gasoline or kerosene-like odor.

pH: N/A

Vapor pressure (mm Hg): ca. 40 @ 20°C (68°F)

Vapor Density (Air = 1): 2.5

Evaporation rate (Butyl acetate = 1): ca. 10

Viscosity: N/A

Boiling point: 20-75°C (68-167°F)

Freezing / Melting point: <-73°C (-99°F)

Decomposition temperature: N/A

Solubility: Insoluble.

Specific gravity (H₂O = 1): 0.60 - 0.75

Percent volatile (%): 100% @ 21°C (70°F)

Molecular formula: N/A

Molecular weight: N/A

Section 10 Stability & Reactivity

Chemical stability: Stable

Hazardous polymerization: Will not occur.

Conditions to avoid: Heat and sunlight can cause instability. Avoid heat, flame, ignition sources, sunlight and incompatibles.

Incompatibilities with other materials: Strong oxidizers. Will attack some forms of plastics, rubber and coatings.

Hazardous decomposition products: Oxides of carbon.

Section 11 Toxicological Information

Effects of overexposure: Inhalation of this material may cause symptoms of intoxication and peripheral nerve disorders and central nervous system depression. Symptoms of overexposure include loss of appetite, muscle weakness, impairment of motor action, dizziness and drowsiness. May also cause throat irritation. Ingestion will cause burning sensation in mouth, esophagus, and stomach. Vomiting, blurred vision, and diarrhea may also occur. Cases of chemical pneumonia have been reported from ingestion of this substance. Nervous system disorders paralleling those from inhalation exposure may also occur. Contact with skin may cause irritation and defatting. Contact with eyes may cause redness and pain. Vapors may cause irritation.

IHL-RAT LC50: 3400 ppm/4H , investigated as a reproductive effector.

Section 12 Ecological Information

Readily biodegradable in soil and water.

Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transport Information

UN/NA number: UN1268

Shipping name: Petroleum distillates, n.o.s., (Petroleum ether)

Hazard class: 3

Packing group: II

Exceptions: Ltd Qty ε 1 Lt.

Section 15 Regulatory Information

TSCA-listed, EINECS-listed (232-453-7), RCRA code D001

Section 16 Additional Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards.

NFPA

0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

