



THE POWER OF THREE<sup>3</sup>

**PHARMCO-AAPER**

AND COMMERCIAL ALCOHOLS

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

\*\*\*\*\*

**PRODUCT IDENTIFICATION**

\*\*\*\*\*

PRODUCT NAME: ODORLESS MINERAL SPIRIT

**SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: ODORLESS MINERAL SPIRIT

Manufacturer: PHARMCO-AAPER.  
58 Vale Road  
Brookfield, Connecticut 06804, USA  
Phone (203) 740-3471  
Fax (203) 740-3481

1101 Isaac Shelby Drive  
Shelbyville, KY 40065  
Phone (502) 633-0650  
Fax (502) 633-0685

Emergency Contact:  
CHEMTREC 1-800-424-9300

---

Synonyms: Petroleum Solvent; Aliphatic hydrocarbons; Petroleum spirits  
Product Use: Diluent Organic Solvent

**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

Component Name CAS Number % Range WHMIS

CONTROLLED

Naphtha (Petroleum), Heavy Alkylate 64741-65-7 100 Yes

See SECTION 8 for Occupational Exposure Guidelines.

**SECTION 3 HAZARDS IDENTIFICATION**

WHMIS Class/Description: Class B3 Combustible Liquid Odour

Routes of Exposure: Exposure may occur via inhalation, ingestion, skin absorption and skin or eye contact.

Health Hazards:

Combustible Liquid.

Vapours are moderately irritating to the respiratory passages. The liquid when accidentally aspirated into the lungs can cause a severe inflammation of the lung.

Ingestion of this product may cause headache, dizziness, fatigue and central nervous system depression.

Vapours are moderately irritating to the eyes.

Handling Information: Eliminate all ignition sources.

Avoid prolonged exposure to vapours.

Wear suitable gloves and eye protection.

Empty containers are hazardous, may contain flammable / explosive dusts, liquid residue or vapours. Keep away from sparks and open flames.

Bond and ground transfer containers and equipment to avoid static accumulation.

For further information on health effects, see SECTION 11.

**SECTION 4 FIRST AID**

Eyes: Flush eyes with water for at least 15 minutes while holding eyelids

open. Obtain medical attention as soon as possible after first aid has been initiated and completed.

**Skin:** Flush affected skin with gently flowing lukewarm water for at least 20 minutes and remove contaminated clothing while rinsing. Wash contaminated skin with mild soap and water for 15 minutes. If irritation occurs and persists, obtain medical attention.

**Ingestion:** Do not induce vomiting. Guard against aspiration into lungs by having the individual turn on to their left side. If vomiting occurs spontaneously keep head below hips to prevent aspiration of liquid into the lungs. Do not give anything by mouth to an unconscious person. Obtain medical attention immediately.

**Inhalation:** Remove victim from further exposure and restore breathing, if required. Obtain medical attention.

**Notes to Physician:** The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. If more than 2.0 mL/kg has been ingested, vomiting should be induced with supervision. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

#### **SECTION 5 FIRE FIGHTING MEASURES**

Flash Point Deg C.: Method Tag Closed Cup 43 – 55 degrees C

Lower Flammability Limit: 1 % (vol.)

Upper Flammability Limit: 6 % (vol.)

Autoignition Temperature: Not available

Extinguishing Media: Dry Chemical

Carbon Dioxide

Foam

Water Fog

**Firefighting Instructions:** Vapour forms a flammable/explosive mixture with air between upper and lower flammable limits. Do not enter confined fire space without adequate protective clothing and an approved positive pressure self-contained breathing apparatus. Exclude air. Product will float and can be reignited on surface of water. Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

Caution – Combustible.

**Hazardous Combustion Products:**

Carbon monoxide and carbon dioxide are produced on combustion

#### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Precautions:** Issue warning "Combustible". Eliminate all ignition sources.

Handling equipment must be grounded. Isolate hazard area and restrict access. Try to work upwind of spill. Avoid direct contact with material.

Wear appropriate breathing apparatus (if applicable) and protective clothing. Stop leak only if safe to do so. Dike and contain land spills; contain water spills by booming. Use water fog to knock down vapours; contain runoff. For large spills remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal. Recommended materials: Clay or Sand . Flush area with water to remove trace residue. Dispose of recovered material as noted under Disposal Considerations. Notify appropriate environmental agency(ies).

#### **SECTION 7 HANDLING AND STORAGE**

**Handling:** Combustible. Hot surfaces may be sufficient to ignite liquid even

in the absence of sparks or flames. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapours are gone. Vapours may accumulate and travel to distant ignition sources and flashback. Empty containers may contain hazardous product residues. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. Do not cut, drill, grind, weld or perform similar operations on or near containers. Avoid breathing vapours and prolonged or repeated contact with skin. Air-dry contaminated clothing in a well ventilated area before laundering. Wear appropriate respiratory protection and protective clothing. Launder contaminated clothing prior to reuse. Use good personal hygiene. Do not pressurize drum containers to empty them. Storage: Store in a cool, dry, well ventilated area, away from heat and ignition sources. Use explosion-proof ventilation to prevent vapour accumulation. Keep container tightly closed.

#### **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

THE FOLLOWING INFORMATION WHILE APPROPRIATE FOR THE PRODUCT, IS GENERAL IN NATURE. THE SELECTION OF PERSONAL PROTECTIVE EQUIPMENT WILL VARY DEPENDING

ON THE CONDITIONS OF USE.

##### **EXPOSURE CONTROLS:**

Occupational Exposure Limits: North American exposure limits have not been established for the product. Consult local authorities for acceptable provincial values. PHARMCO-AAPER recommended value using the Reciprocal Calculator procedure developed by the solvent industry is 192 ppm, 1200 mg/m<sup>3</sup> (8 hour TWA)

Mechanical Ventilation: Make up air should always be supplied to balance air exhausted (either generally or locally). Electrical and mechanical equipment should be explosion-proof. Concentrations in air should be maintained below the recommended threshold limit value if unprotected personnel are involved. For personnel entry into confined spaces (i.e. bulk storage tanks) a proper confined space entry procedure must be followed including ventilation and testing of tank atmosphere. Local ventilation recommended where mechanical ventilation is ineffective in controlling airborne concentrations below the recommended occupational exposure limit. Mechanical ventilation is recommended for all indoor situations to control fugitive emissions.

##### **PERSONAL PROTECTIVE EQUIPMENT:**

Eye Protection: Chemical safety goggles and/or full face shield to protect eyes and face, if product is handled such that it could be splashed into eyes. Provide an eyewash station in the area.

Skin Protection: Impervious gloves (viton, nitrile) should be worn at all times when handling this material. In confined spaces or where the risk of skin exposure is much higher, impervious clothing should be worn. Safety showers should be available for emergency use.

Respiratory Protection: If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator. Use a NIOSH-approved chemical cartridge respirator with organic vapour cartridges or use a NIOSH-approved supplied-air respirator. For high airborne concentrations, use a NIOSH-approved supplied-air respirator, either self-contained or airline breathing apparatus, operated in positive pressure mode.

#### **SECTION 9 PHYSICAL DATA**

Physical State: Liquid

Appearance: Colourless Lightly Coloured

Odour: Mild Hydrocarbon Odour  
Odour Threshold: Not available  
Freezing Point: Not available  
Boiling Point: 171 – 205 degrees C  
Density: 752 – 769 kg/m<sup>3</sup> @ 15 degrees C  
Vapour Density (Air=1): 5.3  
Vapour Pressure: 1.9 mm Hg @ 38 degrees C  
Specific Gravity: 0.761  
pH: Not available  
Viscosity: Not available cSt @  
Evaporation Rate: <0.1 @  
Partition Coefficient: Not available  
Water Solubility: Negligible

Soluble in Other Solvents: Hydrocarbon Solvents

#### **SECTION 10 STABILITY AND REACTIVITY**

Chemical Stability: Yes

Hazardous Polymerization: No

Sensitive to Mechanical: No

Impact:

Sensitive to Static Discharge: Yes

Incompatible Materials: Avoid strong oxidizing agents.

Conditions of Reactivity: Avoid excessive heat, open flames and all ignition sources.

#### **SECTION 11 TOXICOLOGICAL INFORMATION**

Component Name Acute Toxicological Data

Naphtha (Petroleum), Heavy Alkylate LC50 Inhalation Rat >5900 mg/m<sup>3</sup> for 4hours

LD50 Oral Rat >8000 mg/kg

LD50 Dermal Rat >4000 mg/kg

Routes of Exposure: Exposure may occur via inhalation, ingestion, skin absorption and skin or eye contact.

Irritation : This product is not a primary skin irritant after exposure of short duration, is not a skin sensitizer and is not irritating to the eyes.

Chronic Toxicity: Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Prolonged exposure to high vapour concentration can cause headache, dizziness, nausea, blurred vision and central nervous system depression.

Pre-existing Conditions: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

#### **SECTION 12 ECOLOGICAL INFORMATION**

Environmental Effects Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams, or public waterways.

Block off drains and ditches. Provincial regulations require and federal regulations may require that environmental and/or other agencies be notified of a spill incident. Spill area must be cleaned and restored to original condition or to the satisfaction of authorities.

May be harmful to aquatic life.

Biodegradability Not expected to bioconcentrate.

#### **SECTION 13 DISPOSAL CONSIDERATIONS**

Waste Disposal: Waste management priorities (depending on volumes and concentration of waste) are: 1. recycle (reprocess), 2. energy recovery

(Cement kilns, thermal power generation), 3. incineration, 4. disposal at a licensed waste disposal facility. Do not attempt to combust waste on-site. Incinerate at a licenced waste disposal site with approval of environmental authority.

#### **SECTION 14 TRANSPORTATION INFORMATION**

Canadian Road and Rail Shipping Classification:

UN/NA Number: UN1268

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

Hazard Class: Class 3 Flammable Liquids

Packing Group: PG III

Shipping Description: PETROLEUM DISTILLATES, N.O.S. Class 3 UN1268 PG III

#### **SECTION 15 REGULATORY INFORMATION**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Class/Description: Class B3 Combustible Liquid

DSL/NDSL Status: This product, or all components, are listed on the Domestic Substances List, as required under the Canadian Environmental Protection Act.

Other Regulatory Status: No Canadian federal standards.

**Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA):** No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA

#### **SECTION 16 ADDITIONAL INFORMATION**

WHMIS Label Statements:

Hazard Statements: Combustible Liquid.

Handling Statements: Eliminate all ignition sources.

Avoid prolonged exposure to vapours.

Wear suitable gloves and eye protection.

Empty containers are hazardous, may contain flammable / explosive dusts, liquid residue or vapours. Keep away from sparks and open flames.

Bond and ground transfer containers and equipment to avoid static accumulation.

First Aid Statements: Wash contaminated skin with soap and water.

Flush eyes with water.

If overcome by vapours remove to fresh air.

Do not induce vomiting.

Obtain medical attention.

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.