

NAPHTHA

Date of Preparation: October 1, 2009

**Section 1 - Chemical Product and Company Identification**

**Product Name:** Naphtha  
**Chemical Name:** Naphtha, Full Range  
**Chemical Family:** Petroleum Crude Distillate  
**Other Designations:** Straight Run Petroleum, Reformer Feed  
**Chemical Formula:** Not Applicable  
**CAS Number:** 64741-42-0  
**Manufacturer:** Ergon -- West Virginia, Inc., P.O. Box 356, Newell, WV 26050  
**Company Contact:** Will Poe, Phone (601) 630-8319

**EMERGENCY TELEPHONE NUMBERS:**

Ergon -- West Virginia, Inc. (601) 630-8319 (Vicksburg, MS) Normal Business Hours  
 Chemtrec (800) 424-9300 After Business Hours

**Section 2 - Composition / Information on Ingredients**

A complex combination of hydrocarbons produced from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C12. These hydrocarbons have been shown to have boiling range of approximately -20 °C to 220 °C (-4 °F to 428 °F).

Ingredient Name	CAS Number		% vol	
Naphtha, Full Range Straight Run	64741-42-0		100	

  

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Naphtha	None estab.	None estab.	400 ppm	none estab.	none estab.	none estab.	none estab.

**Section 3 - Hazards Identification**

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆

**Potential Health Effects**

**Inhalation:** Inhalation of vapors or mist can be irritating to respiratory passages. Prolonged exposure can result in dizziness and nausea.  
**Eye:** Eye contact results in irritation and redness. Prolonged and repeated contact can result in permanent damage.  
**Skin:** Prolonged and repeated contact can defat the skin, which may result in dryness, dermatitis, and cracking of the skin.  
**Ingestion:** Can cause gastrointestinal irritation, nausea, and vomiting.

**HMIS**  
**H** 2  
**F** 4  
**R** 1  
**PPE**†  
 †Sec. 8

**Section 4 - First Aid Measures**

**Inhalation:** Remove to fresh air. Assist breathing if necessary. Seek medical help.  
**Eye Contact:** Wash with water for 15 minutes. Seek medical help.  
**Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing, reuse only after cleaning.  
**Ingestion:** Do not induce vomiting. Contact a physician immediately.

### Section 5 - Fire-Fighting Measures

**Flash Point:** - 20°F (- 30°C)  
**Flash Method:** TOC  
**Autoignition Temperature:** > 450°F (> 230°C)  
**Lower Explosive Level (LEL):** 1  
**Upper Explosive Limit (UEL):** 7



**Extinguishing Media:** Halon, dry chemical, foam, CO2 or water mist or fog. Water may be used to cool below flash point.  
**Unusual Fire or Explosion Hazards:** Extreme fire hazard. Sufficient vapors exist at ambient conditions to support combustion. Vapors are heavier than air. They can travel to a distant source of ignition and flash back. Overheated containers, either empty or full, can explode or reignite after extinguishment.  
**Fire-Fighting Instructions and Equipment:** Do not use forced water stream as this could cause fire to spread.

### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Stop spill at source if possible without risk. Contain spill. Eliminate sources of ignition. Spill area will be slick. Recover all possible material for reclamation. Use non-flammable absorbent material to pick up remainder of spill.

### Section 7 - Handling and Storage

**Handling and Storage Precautions:** Warning! The petroleum hydrocarbons in this product are a complex mixture of paraffinic, naphthenic and aromatic hydrocarbons. As with other petroleum products the aromatic compounds are present in varying concentrations and structures. Some of these compounds may be those which have been shown to result in tumor formation in animals under laboratory conditions. The concentrations of aromatic compounds in this product require that the precautions outlined in this MSDS be followed to minimize personnel exposure.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** Explosion proof vent system sufficient to keep vapor concentrations below threshold limit values.  
**Eye / Face Protection:** Goggles or face shield to prevent eye contact.  
**Skin Protection:** Solvent resistant. Protective clothing such as aprons should be used to prevent contact with clothing.  
**Respiratory Protection:** Organic vapor mask for prolonged work in areas of low concentration. In confined spaces with high concentrations self contained breathing apparatus should be used.

### Section 9 - Physical and Chemical Properties

<b>Physical State:</b> Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b> 0.75
<b>Appearance:</b> Water Clear	<b>Water Solubility (% by vol):</b> < 0.1
<b>Odor:</b> Mild petroleum odor.	<b>Boiling Point:</b> - 4 to 428 °F (-20 to 220 °C)
<b>Odor Threshold:</b> Not applicable	<b>Melting Point:</b> Not applicable
<b>Vapor Pressure:</b> 220 mm Hg at 20°C	<b>Evaporation Rate:</b> Not applicable
<b>Vapor Density (air=1):</b> 2.5	<b>pH:</b> Not applicable
<b>% Volatile by Vol.:</b> 100	

### Section 10 - Stability and Reactivity

**Stability:** Stable  
**Polymerization:** Polymerization will not occur.  
**Chemical Incompatibilities:** Strong Oxidizers.  
**Hazardous Decomposition Products:** Combustion products include carbon dioxide and carbon monoxide.

**Section 11- Toxicological Information**

No information is available.

**Section 12 - Ecological Information**

No information is available.

**Section 13 - Disposal Considerations**

Waste is considered hazardous due to its ignitability. Follow Local, State, and Federal regulations.

**Section 14 - Transport Information**

**Proper Shipping Name:** Petroleum Distillates, n.o.s. or  
Petroleum Products, n.o.s.  
**Hazard Class:** 3  
**DOT ID No.:** UN 1268  
**DOT Shipping Label:** Flammable Liquid

**Section 15 - Regulatory Information****U.S. Federal Regulatory Information:**

TSCA: All components of this material are listed in the U.S. TSCA Inventory.

**Section 16 - Other Information**

**NFPA Hazard Rating**

- Health	<b>2 Moderate</b>
- Fire	<b>4 Extreme</b>
- Reactivity	<b>1 Slight</b>

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**Supersedes MSDS Dated:**

June 1, 2007	Changed date
June 1, 2005	Changed date
December 16, 2003	Changed date
September 20, 2000	Updated DOT proper shipping name

**Disclaimer:** Ergon Refining, Inc. believes this information is accurate but not all-inclusive in all circumstances. It is the responsibility of the user to determine suitability of the material for their purposes. No warranty, expressed or implied, is given.