

Petroleum Resin 25

Date of Preparation: May 24, 2012

Section 1 - Chemical Product and Company Identification

Product Name: Petroleum Resin 25
Chemical Name: Bitumen
Synonyms: Petroleum Resins, PetroResin, Bitumen, Petroleum Hydrocarbon
CAS Number: 64742-16-1
Manufacturer: Ergon -- West Virginia, Inc., P.O. Box 356, Newell, WV 26050
Company Contact: Will Poe, Phone (601) 630-8319 (Vicksburg, MS)

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

Ingredient Name	CAS Number	% vol
Petroleum Resin	64742-16-1	100

All components in the product have been identified.

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

This product is dark brown to black, tacky solid material with an aromatic odor. It will burn at elevated temperatures (above 630°F). Extinguish fire with carbon dioxide, dry chemical, foam or water fog. Water may be ineffective in fighting fire. This product may be irritating to the eyes, skin, and respiratory system.

HMIS
H 1
F 1
R 0
PPE†
†Sec. 8

Potential Health Effects

Inhalation: Exposure to fumes (from heating product) may be mildly irritating to the nose and throat.
Eyes: This product may cause irritation to the eyes. Symptoms include redness and a burning sensation.
Skin: Prolonged contact may cause irritation and dermatitis.
Ingestion: Low oral toxicity. Ingestion unlikely due to physical state.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. Get medical attention if symptoms persist.
Eye Contact: Flush eyes with large amounts of water for 15 minutes. Get medical attention if eye irritation develops or persists.
Skin Contact: Wash affected area with a waterless hand cleaner, and/or soap and water. If irritation persists, consult a physician. Get medical attention if skin disorder develops.
Ingestion: Contact your local poison control center or get medical attention.
Notes to Physician: Treat symptomatically.

Section 5 - Fire-Fighting Measures

Flash Point: ≥ 610 °F

Flash Point Method: COC

Burning Rate: not determined

Autoignition Temperature: not determined

Lower Flammable Limit (LFL): not applicable

Upper Flammable Limit (UFL): not applicable

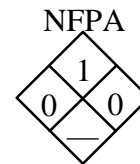
Flammability Classification: not determined

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

General Fire Hazards: This product is combustible at high temperatures. Toxic fumes, gases or vapors may evolve on burning.

Hazardous Combustion Products: Carbon dioxide, water vapor. Possibly oxides of sulfur, nitrogen, and phosphorus. Incomplete combustion can produce carbon monoxide.

Fire-Fighting Equipment/Instructions: Do not point solid water stream directly into burning oil to avoid spreading. Wear full set of protective equipment including chemical goggles and gloves.

**Section 6 - Accidental Release Measures**

Containment Procedures: If sweeping of a contaminated area is necessary, use a dust suppressant agent.

Clean-Up Procedures: Wear appropriate protective equipment and clothing during clean-up. Shovel the material into waste container.

Evacuation Procedures: Isolate area. Keep unnecessary personnel away.

Special Instructions: Avoid inhalation of fumes from molten product. Wear appropriate protective equipment and clothing during clean-up.

Section 7 - Handling and Storage

Procedures for Handling: Avoid prolonged or repeated skin contact with this material. Avoid prolonged or repeated breathing of this material. Use this product with adequate ventilation. Keep this product from heat, sparks, or open flame. Wash hands after handling and before eating. Launder work clothes frequently.

Recommended Storage Methods: Keep the container tightly closed and in a cool, well-ventilated place. Keep this material away from food, drink, and animal feed. Do not store this material in open or unlabeled containers. Store away from strong oxidizers.

Section 8 - Exposure Controls / Personal Protection**Exposure Guidelines:**

A. General Product Information - Protect from skin and eye contact.

B. Component Exposure Limits - No ACGIH, NIOSH or OSHA exposure guidelines listed for the product's components.

Engineering Controls: Use general ventilation.

Eye / Face Protection: Safety glasses or a face shield can reduce the possibility of accidental eye contact.

Skin Protection: Use impervious gloves for prolonged contact.

Respiratory Protection: Under normal conditions, respirator is not normally required.

General: Use good industrial hygiene practices.

Section 9 - Physical and Chemical Properties

Physical State: Tacky Solid
Appearance: Dark Brown to Black
Color: Dark brown to Black
Odor: Aromatic
Odor Threshold: not available
Vapor Pressure: not applicable
Vapor Density (Air=1): not applicable
Specific Gravity (H₂O=1): 0.95

Water Solubility: nil
Boiling Point: 1000°F
Melting Point: not determined
% Volatile: nil
Evaporation Rate: not applicable
pH: not applicable

Section 10 - Stability and Reactivity

Chemical Stability: Stable
Hazardous Polymerization: Hazard polymerization will not occur.
Chemical Incompatibilities: This product may react with strong oxidizing agents.
Conditions to Avoid (Stability): Avoid excessive heat and all sources of ignition.
Hazardous Decomposition Products: Carbon dioxide, water vapor. Possibly oxides of sulfur, nitrogen, and phosphorus. Incomplete combustion can produce carbon monoxide.

Section 11- Toxicological Information**Acute Toxicity / Target Organ Information:****A. General Product / Component Information**

Petroleum products may affect the skin and eyes. Petroleum mists or vapors may affect the lungs.

B. Component LD50 / LC50 - No data available for product.

Epidemiology: No data available for product.

Carcinogenicity:**A. General Product / Component Information - No data available on the product as a whole.****B. Component Carcinogenicity Listings - None of this product's components are listed by ACGIH, IARC, NIOSH, NTP or OSHA.**

Teratogenicity / Reproductive Effects: No data available for the product as a whole.

Neurotoxicity: High vapor / aerosol concentrations (attainable only at elevated temperatures) may cause central nervous system effects such as dizziness, drowsiness or headaches.

Mutagenicity: No data available on this product as a whole.

Other Information: No other information available.

Section 12 - Ecological Information

Ecotoxicity: No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

Environmental Fate: No information is available.

Section 13 - Disposal Considerations**U.S. EPA Waste Number & Descriptions:****A. General Product Information - Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.****B. Component Waste Numbers - No EPA Waste Numbers are applicable for this product's components.****Disposal Instructions:**

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulation.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Elevated Temperature Liquid, N.O.S. at or above 100°C and below its flash point (Contains Oil)

Shipping Marking: HOT
(See 49CFR ¶172.325)

Hazard Class: Class 9

ID No.: 3257

Packing Group: III

Label: Class 9

Special Provisions (172.102): T1

Packaging Authorizations

a) **Exceptions:** None

b) **Non-bulk Packaging:**

None

c) **Bulk Packaging:** ¶ 173.247

Quantity Limitations

a) **Passenger, Aircraft, or Passenger**

Railcar: Forbidden

b) **Cargo Aircraft Only:** Forbidden

Vessel Stowage Requirements

a) **Vessel Stowage:** A

b) **Other:** 85

Section 15 - Regulatory Information

U.S. Federal Regulatory Information:

- A. General Product Information - All known (non-proprietary) components of this product are listed on the EINECS inventory of existing chemicals. All components of this product are listed on the U.S. EPA TSCA Inventory.
- B. Component Information - None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

State Regulations:

- A. General Product Information - No components require labeling under California Proposition 65.
- B. Component Information - None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Other Regulations:

- A. General Product Information - No additional information.
- B. Component Information - None of this product's components are listed on the Canadian Controlled Product Ingredient Disclosure List.

Section 16 - Other Information

Key / Legend

N = no; Y = yes; ppm - parts per million; mg/m³ = milligrams per cubic meter of air; ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = Occupational Safety and Health Administration; TLV = Threshold Limit Value; NIOSH = National Institute of Occupational Safety and Health; NTP = National Toxicology Program; IARC = International Agency for Research on Cancer.

Prepared By: Will Poe

Phone: (601) 630-8319

Supersedes MSDS Dated:

October 1, 2009	Changed date
June 1, 2007	Changed date
June 1, 2005	Changed date
January 14, 2005	Changed date
August 1, 2003	Deleted a description synonym in Section 1
September 5, 2001	Changed Date, added format source
January 23, 2001	Changed Date
January 1, 2001	Changed Section 14 DOT Shipping information for hot material
September 16, 1998	Changed Date and Contact
July 19, 1997	Changed Date

This MSDS complies with OSHA Hazard Communication Standard (HCS) 29 CFR 1910.1200 and conforms to ANSI Z 400.1.

Disclaimer: Ergon -- West Virginia, 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.