

# SAFETY DATA SHEET

## Klean-Strip VM&P Naphtha

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Supersedes Revision: 03/17/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Klean-Strip VM&P Naphtha  
**Company Name:** W. M. Barr  
2105 Channel Avenue  
Memphis, TN 38113  
**Phone Number:** (901)775-0100  
**Web site address:** www.wmbarr.com  
**Emergency Contact:** 3E 24 Hour Emergency Contact (800)451-8346  
**Information:** W.M. Barr Customer Service (800)398-3892  
**Intended Use:** For thinning oil-based paint, enamel & varnish.  
**Synonyms:** QVM46, GVM46, CVM46

### 2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 2

Germ Cell Mutagenicity, Category 1B

Aspiration Toxicity, Category 1



**GHS Signal Word:** Danger

**GHS Hazard Phrases:** H225: Highly flammable liquid and vapor.  
H340: May cause genetic defects.  
H304: May be fatal if swallowed and enters airways.

**GHS Precaution Phrases:** P233: Keep container tightly closed.  
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting equipment.  
P243: Take precautionary measures against static discharge.  
P242: Use only non-sparking tools.  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P281: Use personal protective equipment as required.

**GHS Response Phrases:** P370+378: In case of fire, use dry chemical to extinguish.  
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P308+313: IF exposed or concerned: Get medical attention/advice.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331: Do NOT induce vomiting.

**GHS Storage and Disposal Phrases:** P403+235: Store in cool/well-ventilated place.  
P501: Dispose of contents/container according to local, state and federal regulations.  
P405: Store locked up.

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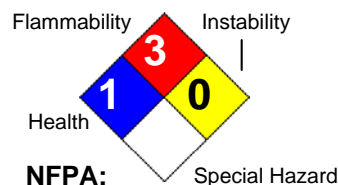
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**Hazard Rating System:**

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL		0
PPE		

**HMIS:****OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations.

**Potential Health Effects  
(Acute and Chronic):****Inhalation Acute Exposure Effects:**

Vapor harmful. May cause dizziness, headache, irritation of respiratory tract, weakness, drowsiness, depression of central nervous system, and watering of eyes. Severe overexposure may cause unconsciousness, anesthesia, irregular heartbeat, and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

**Skin Contact Acute Exposure Effects:**

This product is a skin irritant. It may be absorbed through the skin. It may cause irritation, dermatitis, drying of skin, and numbness in fingers and arms. May increase severity of symptoms listed under inhalation.

**Eye Contact Acute Exposure Effects:**

This material is an eye irritant. It may cause irritation, redness, stinging, tearing, excessive swelling of the conjunctiva; and or excessive blinking.

**Ingestion Acute Exposure Effects:**

Harmful or fatal if swallowed. Aspiration hazard. May cause nausea, vomiting, gastrointestinal irritation, or diarrhea.

**Chronic Exposure Effects:**

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. May cause skin irritation, permanent central nervous system changes, kidney damage, and liver damage.

**Primary Routes of Exposure:**

Inhalation; ingestion; and dermal.

**Medical Conditions Generally Aggravated By Exposure:** Diseases of the skin, respiratory system, liver, central nervous system and kidneys.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
64742-49-0	Hydrotreated light naphtha	95.0 -100.0 %

## 4. FIRST AID MEASURES

**Emergency and First Aid Procedures:**

**Inhalation:**

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

**Skin Contact:**

Irritation may result. Immediately wash with soap and water.

**Eye Contact:**

Immediately flush with water, remove any contact lenses, continue flushing with water for at least 15 minutes, then get medical attention.

**Ingestion:**

Do not induce vomiting. Call your local poison control center, hospital emergency room, or physician immediately for instructions.

**Note to Physician:**

Call your local poison control center for further information.

## 5. FIRE FIGHTING MEASURES

OSHA Class IB

**Flash Pt:**

69.00 F Method Used: TAG Closed Cup

**Explosive Limits:**

LEL: 0.9 UEL: 6.7

**Autoignition Pt:**

47.50 F

**Suitable Extinguishing Media:** Use carbon dioxide, dry powder, or foam.

**Unsuitable Extinguishing Media:**

Solid streams of water may be ineffective and spread material. Product will normally float on water.

**Fire Fighting Instructions:**

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

**Flammable Properties and Hazards:**

Product will normally float on water.

## 6. ACCIDENTAL RELEASE MEASURES

**Steps To Be Taken In Case Material Is Released Or Spilled:**

**Cleanup:**

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area.

**Small Spills:**

Take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable.

**Large Spills:**

Dike far ahead of spill for later disposal.

## 7. HANDLING AND STORAGE

**Precautions To Be Taken in Handling:**

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

Do not use this product near any source of heat or open flame, furnace areas, pilot

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lights, stoves, etc.

Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited.

Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

### Precautions To Be Taken in Storing:

Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures. Keep below 120 degrees Fahrenheit.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-49-0	Hydrotreated light naphtha	No data.	No data.	No data.
<b>Respiratory Equipment (Specify Type):</b>	For OSHA controlled work place and other regular users --Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provided protection against vapors.			
<b>Eye Protection:</b>	Where contact with the eyes or face is likely, a faceshield or chemical splash goggles should be worn to prevent eye contact.			
<b>Protective Gloves:</b>	Wear gloves with as much resistance to the chemical ingredients as possible. Glove materials such as nitrile rubber may provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.			
<b>Other Protective Clothing:</b>	Various application methods can dictate the use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.			
<b>Engineering Controls (Ventilation etc.):</b>	Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate such as basements, bathrooms, or small enclosed areas. Whenever possible, use outdoors in an open area. If using indoors, open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- Stop -- ventilation is inadequate. Leave area immediately. If the work area is not well ventilated, then do not use this product. A dust mask does not provide protection against vapors.			
<b>Work/Hygienic/Maintenance Practices:</b>	Wash hands thoroughly after use and before eating, drinking, smoking, or using the restroom.			
	Do not eat, drink, or smoke in the work area.			
	Discard any clothing or other protective equipment that cannot be decontaminated.			
	Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.			

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** ☐ Gas ☒ Liquid ☐ Solid

**Appearance and Odor:** Transparent, colorless  
Hydrocarbon solvent odor

**Melting Point:** No data.

**Boiling Point:** 264.00 F - 291.00 F

**Autoignition Pt:** 47.50 F

**Flash Pt:** 69.00 F Method Used: TAG Closed Cup

**Explosive Limits:** LEL: 0.9 UEL: 6.7

**Specific Gravity (Water = 1):** 0.76

**Density:** 6.34 LB/GL

**Vapor Pressure (vs. Air or mm Hg):** 11 MM HG at 20.0 C

**Vapor Density (vs. Air = 1):** 4 Air = 1

**Evaporation Rate:** No data.

**Solubility in Water:** < 0.1% w/w

**Percent Volatile:** 99.999 % by weight.

**VOC / Volume:** 762.0000 G/L

## 10. STABILITY AND REACTIVITY

**Stability:** Unstable ☐ Stable ☒

**Conditions To Avoid - Instability:** No data available.

**Incompatibility - Materials To Avoid:** Incompatible with strong oxidizing agents.

**Hazardous Decomposition Or Byproducts:** Decomposition may produce carbon monoxide and carbon dioxide.

**Possibility of Hazardous Reactions:** Will occur ☐ Will not occur ☒

**Conditions To Avoid - Hazardous Reactions:** No data available.

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Studies on laboratory animals have associated similar materials with eye and respiratory tract irritation. Studies on laboratory animals have shown similar materials to cause skin irritation after repeated or prolonged contact. Repeated direct application of mineral spirits to the skin can produce defatting dermatitis and kidney damage in laboratory animals. The most common effects observed in repeated dose toxicity studies are histological changes consistent with  $\alpha_2$ -globulin mediated renal effect in male rats. Because  $\alpha_2$ -globulin is not present in humans, any effects associated with  $\alpha_2$ -globulin induction in the male rat kidney are not useful in assessing human risk. In addition, several laboratory studies have demonstrated effects in liver function as well as hematological or urine chemistry profile changes following repeated exposures to mineral spirits in rats. In general, these effects have not been dose-related. The significance of these animal study results to human health is unclear.

**Chronic Toxicological Effects:** Refer to section 3 potential health effects

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CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64742-49-0	Hydrotreated light naphtha	n.a.	n.a.	n.a.	n.a.

## 12. ECOLOGICAL INFORMATION

No data available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose in accordance with local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Paint Related Material**DOT Hazard Class:** 3 FLAMMABLE LIQUID**UN/NA Number:** UN1263**Packing Group:** II**Additional Transport Information:**

For D.O.T. information, contact W.M. Barr Technical Services at 1-800-398-3892.

The shipper / supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

## 15. REGULATORY INFORMATION

**This material meets the EPA** ☒ Yes ☐ No Acute (immediate) Health Hazard  
**'Hazard Categories' defined** ☒ Yes ☐ No Chronic (delayed) Health Hazard  
**for SARA Title III Sections** ☒ Yes ☐ No Fire Hazard  
**311/312 as indicated:** ☐ Yes ☒ No Sudden Release of Pressure Hazard  
☐ Yes ☒ No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64742-49-0	Hydrotreated light naphtha	CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

**Regulatory Information Statement:** All components of this material are listed on the TSCA Inventory or are exempt.

## 16. OTHER INFORMATION

**Revision Date:** 09/05/2014**Preparer Name:** W.M. Barr EHS Department (901)775-0100**Additional Information About This Product:** No data available.**Company Policy or Disclaimer:**

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information 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 determination of suitability and completeness of information from all sources to assure proper use of these

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materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.