

**SAFETY DATA SHEET**  
**Klean-Strip Industrial Maintenance Coating**  
**Thinner**

Page: 1  
Printed: 04/13/2015  
Revision: 04/13/2015  
Supersedes Revision: 01/02/2015

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Klean-Strip Industrial Maintenance Coating Thinner  
**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:** Paint, stain, and varnish thinning.  
**Synonyms:** CKIM14630, GKIM24630, QKIM34630  
**Additional Information** This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

**2. HAZARDS IDENTIFICATION**

**Flammable Liquids, Category 2**  
**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2**  
**Germ Cell Mutagenicity, Category 1B**  
**Specific Target Organ Toxicity (single exposure), Category 3**  
**Aspiration Toxicity, Category 1**



**GHS Signal Word:** **Danger**  
**GHS Hazard Phrases:** H225: Highly flammable liquid and vapor.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H340: May cause genetic defects.  
**GHS Precaution Phrases:** P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233: Keep container tightly closed.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P261: Avoid breathing gas/mist/vapors/spray.  
P264: Wash hands thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P281: Use personal protective equipment as required.  
P235: Keep cool.  
**GHS Response Phrases:** P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+352: IF ON SKIN: Wash with plenty of soap and water.

## Klean-Strip Industrial Maintenance Coating

Printed: 04/13/2015

Revision: 04/13/2015

## Thinner

Supersedes Revision: 01/02/2015

P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical attention/advice.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P321: Specific treatment see label.

P331: Do NOT induce vomiting.

P332+313: If skin irritation occurs, get medical advice/attention.

P337+313: If eye irritation persists, get medical advice/attention.

P362: Take off contaminated clothing and wash before re-use.

P370+378: In case of fire, use dry chemical powder to extinguish.

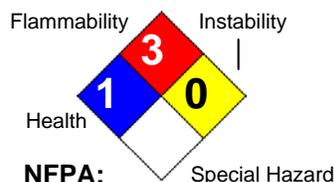
P403+233: Store container tightly closed in well-ventilated place.

P405: Store locked up.

P501: Dispose of contents/container according to local, state and federal regulations.

**GHS Storage and Disposal Phrases:**
**Hazard Rating System:**

HEALTH	*	1
FLAMMABILITY		3
PHYSICAL		0
PPE		X


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

This material is classified as hazardous under OSHA regulations.

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

High vapor concentrations may cause dizziness, headache, anaesthesia, drowsiness, fatigue, and other central nervous system effects, including death. Intentional misuse of this product by deliberately concentrating and inhaling vapors 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, redness, itching, and burning of the skin. Repeated or prolonged skin contact can produce moderate irritation (dermatitis). Skin contact may aggravate an existing dermatitis condition.

**Eye Contact Acute Exposure Effects:**

This material is an eye irritant. It may cause irritation, redness, stinging, tearing, and swelling. High vapor concentrations are irritating to the eyes and the respiratory tract.

**Ingestion Acute Exposure Effects:**

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

If swallowed, this material may irritate the mucous membranes of the mouth, throat, and esophagus. It can be readily absorbed by the stomach and intestinal tract. Symptoms include a burning sensation of the mouth and esophagus, nausea, vomiting, dizziness, staggering gait, drowsiness, loss of consciousness, and delirium, as well as additional central nervous system effects. There is a danger of aspiration into the lungs during vomiting. Aspiration can result in severe lung damage or death.

**Chronic Exposure Effects:**

Reports have associated repeated and prolonged overexposure to solvents with irreversible brain and nervous system damage. Prolonged or repeated contact may cause dermatitis.

**SAFETY DATA SHEET**  
**Klean-Strip Industrial Maintenance Coating**  
**Thinner**

Page: 3  
Printed: 04/13/2015  
Revision: 04/13/2015  
Supersedes Revision: 01/02/2015

Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction.

TARGET ORGANS: kidneys, lungs, liver, mucous membranes, upper respiratory tract, skin, eyes, central nervous system

**Medical Conditions Generally Aggravated By Exposure:** Skin, Respiratory System, Liver, Kidneys, Central Nervous System

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
64742-89-8	Light aliphatic solvent naphtha (petroleum)	15.0 -40.0 %	NA
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	15.0 -40.0 %	AH5425000
64742-95-6	Petroleum Hydrocarbons	10.0 -30.0 %	WF3400000
95-63-6	1,2,4-Trimethylbenzene {Pseudocumene}	7.0 -13.0 %	DC3325000
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	1.0 -5.0 %	ZE2100000

**Additional Chemical Information** Specific percentage of composition is being withheld as a trade secret.

### 4. FIRST AID MEASURES

**Emergency and First Aid Procedures:**

**Skin:**

Immediately begin washing the skin thoroughly with large amounts of water and mild soap, if available, while removing contaminated clothing. Seek medical attention if irritation persists.

**Eyes:**

Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes. Seek medical attention.

**Inhalation:**

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

**Ingestion:**

If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person.

**Signs and Symptoms Of Exposure:**

See Potential Health Effects.

**SAFETY DATA SHEET**  
**Klean-Strip Industrial Maintenance Coating**  
**Thinner**

Page: 4  
Printed: 04/13/2015  
Revision: 04/13/2015  
Supersedes Revision: 01/02/2015

## 5. FIRE FIGHTING MEASURES

<b>Flammability Classification:</b>	NFPA Class IB
<b>Flash Pt:</b>	35.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
<b>Explosive Limits:</b>	LEL: 0.9 % UEL: ~6.0 %
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Use carbon dioxide, dry powder, water spray, or alcohol-resistant foam.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Fire Fighting Instructions:</b>	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.
<b>Flammable Properties and Hazards:</b>	Material can accumulate static charges which can cause an incendiary electrical discharge.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	<p>Vapors may cause flash fire or ignite explosively.</p> <p>Clean up: 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. Use non-sparking tools. Use proper bonding and grounding methods for all equipment and processes. Keep out of waterways and bodies of water. Be cautious of vapors collecting in small enclosed spaces, sewers, low lying areas, confined spaces, etc.</p> <p>Small spills: Take up with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable.</p> <p>Large spills: Dike far ahead of spill for later disposal.</p> <p>Waste Disposal: Dispose in accordance with applicable local, state and federal regulations.</p>
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## 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	<p>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.</p> <p>Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.</p> <p>Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited.</p>
<b>Precautions To Be Taken in Storing:</b>	<p>Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.</p>

**SAFETY DATA SHEET**  
**Klean-Strip Industrial Maintenance Coating**  
**Thinner**

Page: 5  
 Printed: 04/13/2015  
 Revision: 04/13/2015  
 Supersedes Revision: 01/02/2015

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-89-8	Light aliphatic solvent naphtha (petroleum)	PEL: 100 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 300 ppm STEL: 150 ppm	No data.
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	PEL: 400 ppm	TLV: 400 ppm	No data.
64742-95-6	Petroleum Hydrocarbons	No data.	No data.	No data.
95-63-6	1,2,4-Trimethylbenzene {Pseudocumene}	No data.	No data.	No data.
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.

**Respiratory Equipment (Specify Type):** For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors.

For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV.

A dust mask does not provide protection against vapors.

**Eye Protection:** Chemical splash goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury.

**Protective Gloves:** 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.

**Other Protective Clothing:** Various application methods can dictate the use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.

**Engineering Controls (Ventilation etc.):** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

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 air 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 and move to fresh air.

**Work/Hygienic/Maintenance Practices:** A source of clean water should be available in the work area for flushing eyes and skin.

Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use.

Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

**SAFETY DATA SHEET**  
**Klean-Strip Industrial Maintenance Coating**  
**Thinner**

Page: 6  
Printed: 04/13/2015  
Revision: 04/13/2015  
Supersedes Revision: 01/02/2015

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid  
**Appearance and Odor:** Free and clear, water white.  
**Melting Point:** No data.  
**Boiling Point:** No data.  
**Autoignition Pt:** No data.  
**Flash Pt:** 35.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)  
**Explosive Limits:** LEL: 0.9 % UEL: ~6.0 %  
**Specific Gravity (Water = 1):** 0.833  
**Density:** 6.95 LB/GL  
**Vapor Pressure (vs. Air or mm Hg):** 47.6 MM HG at 68.0 F  
**Vapor Density (vs. Air = 1):** > 1  
**Evaporation Rate:** > 1  
**Solubility in Water:** none  
**Viscosity:** water thin  
**Percent Volatile:** 100.0 % by weight.  
**VOC / Volume:** 833.0000 G/L

**10. STABILITY AND REACTIVITY**

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** No data available.  
**Incompatibility - Materials To Avoid:** Incompatible with strong oxidizing agents, acids, and alkalies.  
**Hazardous Decomposition Or Byproducts:** Decomposition may produce carbon monoxide and carbon dioxide.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

**SAFETY DATA SHEET**  
**Klean-Strip Industrial Maintenance Coating**  
**Thinner**

Page: 7  
 Printed: 04/13/2015  
 Revision: 04/13/2015  
 Supersedes Revision: 01/02/2015

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information:** This product has not been tested as a whole. Refer to section 2 for acute and chronic effects.

**Carcinogenicity/Other Information:**

CAS# 141-78-6:  
 Standard Draize Test, Eyes, Human, 400.0 PPM.  
 Result:  
 Liver: Hepatitis (hepatocellular necrosis), zonal.  
 - Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 25,282, 1943

CAS# 64742-95-6:  
 Acute toxicity, LD50, Oral, Rat, 8400. MG/KG.  
 Result:  
 Behavioral: Somnolence (general depressed activity).  
 Behavioral: Tremor.  
 Lungs, Thorax, or Respiration: Other changes.  
 - National Technical Information Service, Vol/p/yr: OTS0534799,

Standard Draize Test, Eyes, Species: Rabbit, 100.0 UL, 24 H, Mild.  
 Result:  
 Brain and Coverings: Changes in surface EEG.  
 Blood: Changes in serum composition (e.g.  
 Related to Chronic Data - changes in testicular weight.  
 - National Technical Information Service, Vol/p/yr: OTS0534779,

CAS# 1330-20-7:  
 Acute toxicity, LC50, Inhalation, Rat, 5000. PPM, 4 H.  
 Result:  
 Behavioral: Muscle contraction or spasticity.  
 Lungs, Thorax, or Respiration: Other changes.  
 - Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,123, 1974

Standard Draize Test, Eyes, Species: Rabbit, 5.000 MG, 24 H, Severe.  
 Result:  
 Behavioral: General anesthetic.  
 Behavioral: Somnolence (general depressed activity).  
 Behavioral: Irritability.  
 - "Sbornik Vysledku Toxixologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,24, 1972  
 ACGIH A4 - Not Classifiable as a Human Carcinogen.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
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## Klean-Strip Industrial Maintenance Coating

Printed: 04/13/2015

Revision: 04/13/2015

## Thinner

Supersedes Revision: 01/02/2015

64742-89-8	Light aliphatic solvent naphtha (petroleum)	n.a.	n.a.	n.a.	n.a.
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	n.a.	n.a.	n.a.	n.a.
64742-95-6	Petroleum Hydrocarbons	n.a.	n.a.	n.a.	n.a.
95-63-6	1,2,4-Trimethylbenzene {Pseudocumene}	n.a.	n.a.	n.a.	n.a.
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	n.a.	3	A4	n.a.

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:** This product has not been tested as a whole.

## 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:** 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

## EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64742-89-8	Light aliphatic solvent naphtha (petroleum)	No	No	No
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	No	Yes 5000 LB	No
64742-95-6	Petroleum Hydrocarbons	No	No	No
95-63-6	1,2,4-Trimethylbenzene {Pseudocumene}	No	No	Yes
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	No	Yes 100 LB	Yes

**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
64742-89-8	Light aliphatic solvent naphtha (petroleum)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No
64742-95-6	Petroleum Hydrocarbons	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
95-63-6	1,2,4-Trimethylbenzene {Pseudocumene}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -

**SAFETY DATA SHEET**  
**Klean-Strip Industrial Maintenance Coating**  
**Thinner**

Page: 9  
Printed: 04/13/2015  
Revision: 04/13/2015  
Supersedes Revision: 01/02/2015

1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	Inventory; CA PROP.65: No CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: No
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**16. OTHER INFORMATION**

**Revision Date:** 04/13/2015  
**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 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.