

MATERIAL SAFETY DATA SHEET

Klean-Strip Industrial Maintenance Coating Thinner

HEALTH	*	1
FLAMMABILITY		3
PHYSICAL HAZ.		0
PPE		X



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1. Product and Company Identification

Product Code: 1657
Product Name: Klean-Strip Industrial Maintenance Coating Thinner
Manufacturer Information
Company Name: W. M. Barr
 2105 Channel Avenue
 Memphis, TN 38113
Phone Number: (901)775-0100
Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346
Information: W.M. Barr Customer Service (800)398-3892
Web site address: www.wmbarr.com
Preparer Name: W.M. Barr EHS Department (901)775-0100

Synonyms

CKIM14630, GKIM24630, QKIM34630

2. Hazards Identification

Emergency Overview

Danger! Flammable. Harmful or fatal if swallowed. Eye and skin irritant.

If the work area is not well ventilated, DO NOT use this product.

Keep away from heat, sparks, flame and all other sources of ignition. Vapors may cause flash fire or ignite explosively. Vapors may travel long distances to other areas and rooms away from work site.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Health Hazards (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

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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.

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

Signs and Symptoms Of Exposure

See Potential Health Effects.

Medical Conditions Generally Aggravated By Exposure

Skin, Respiratory System, Liver, Kidneys, Central Nervous System

3. Composition/Information on Ingredients

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

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.

5. Fire Fighting Measures

Flammability Classification:

NFPA Class IB

Flash Pt:

35.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits:

LEL: 0.9 % UEL: ~6.0 %

Special Fire Fighting Procedures

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 spay to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

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Unusual Fire and Explosion Hazards

Material can accumulate static charges which can cause an incendiary electrical discharge.

Hazardous Combustion Products

carbon monoxide, carbon dioxide

Suitable Extinguishing Media

Use carbon dioxide, dry powder, water spray, or alcohol-resistant foam.

Unsuitable Extinguishing Media

None known.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Vapors may cause flash fire or ignite explosively.

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.

Small spills: Take up 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.

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

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 lights, stoves, etc.

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

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.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA TWA	ACGIH TWA	Other Limits
1. Light aliphatic solvent naphtha (petroleum)	64742-89-8	PEL: 100 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 300 ppm STEL: 150 ppm	No data.
2. Acetic acid, ethyl ester {Ethyl acetate}	141-78-6	PEL: 400 ppm	TLV: 400 ppm	No data.

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Hazardous Components (Chemical Name)	CAS #	OSHA TWA	ACGIH TWA	Other Limits
3. Petroleum Hydrocarbons	64742-95-6	No data.	No data.	No data.
4. 1,2,4-Trimethylbenzene {Pseudocumene}	95-63-6	No data.	No data.	No data.
5. Xylene (mixed isomers) {Benzene, dimethyl-}	1330-20-7	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.

Ventilation

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.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	No data.
Flash Pt:	35.00 F Method Used: Setafash Closed Cup (Rapid Setafash)
Explosive Limits:	LEL: 0.9 % UEL: ~6.0 %

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Specific Gravity (Water = 1): 0.833
Density: 6.95 LB/GL
Bulk density: No data.
Vapor Pressure (vs. Air or mm Hg): 47.6 MM HG at 68.0 F
Vapor Density (vs. Air = 1): > 1
Evaporation Rate (vs Butyl Acetate=1): > 1
Solubility in Water: none
Percent Volatile: 100.0 % by weight.
VOC / Volume: 833.0000 G/L
Viscosity: water thin
Heat Value: No data.
Particle Size: No data.
Corrosion Rate: No data.
pH: No data.

Appearance and Odor

Free and clear, water white.

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.

11. Toxicological Information

This product has not been tested as a whole.

Chronic Toxicological Effects

This product has not been tested as a whole.

Carcinogenicity/Other Information

ACGIH A4 - Not Classifiable as a Human Carcinogen.

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

12. Ecological Information

This product has not been tested as a whole.

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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
DOT Hazard Label: FLAMMABLE LIQUID
UN/NA Number: UN1263
Packing Group: II

Additional Transport Information

For DOT information, contact W.M. Barr Technical Services.

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

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Light aliphatic solvent naphtha (petroleum)	64742-89-8	No	No	No	No
2. Acetic acid, ethyl ester {Ethyl acetate}	141-78-6	No	Yes 5000 LB	No	No
3. Petroleum Hydrocarbons	64742-95-6	No	No	No	No
4. 1,2,4-Trimethylbenzene {Pseudocumene}	95-63-6	No	No	Yes	No
5. Xylene (mixed isomers) {Benzene, dimethyl-}	1330-20-7	No	Yes 100 LB	Yes	Yes

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. Light aliphatic solvent naphtha (petroleum)	64742-89-8	HAP, ODC ()	No	Inventory	No
2. Acetic acid, ethyl ester {Ethyl acetate}	141-78-6	HAP, ODC ()	No	Inventory	No
3. Petroleum Hydrocarbons	64742-95-6	HAP, ODC ()	No	Inventory	No
4. 1,2,4-Trimethylbenzene {Pseudocumene}	95-63-6	HAP, ODC ()	No	Inventory, 4 Test	No
5. Xylene (mixed isomers) {Benzene, dimethyl-}	1330-20-7	HAP, ODC ()	Yes	Inventory	No

EPA Hazard Categories:

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

- Yes No Acute (immediate) Health Hazard
- Yes No Chronic (delayed) Health Hazard
- Yes No Fire Hazard
- Yes No Sudden Release of Pressure Hazard
- Yes No Reactive Hazard

16. Other Information

No data available.