

Klean Strip Green Lacquer Thinner 30% WT

Revision: 05/08/2015

VOC

Supersedes Revision: 07/19/2011

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Klean Strip Green Lacquer Thinner 30% WT VOC	
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:	Thins lacquer and expoy; cleans brushes, tools & equipment after lacquer projects.	
Product Code:	GKGL75008, GKGL75008L, QKGL75009, QKGL75009L, QKGL75009W	
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

Serious Eye Damage/Eye Irritation, Category 2A

Specific Target Organ Toxicity (single exposure), Category 3

**GHS Signal Word:** Danger

GHS Hazard Phrases: Highly flammable liquid and vapor.
Causes mild skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

GHS Precautionary Phrases: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep cool.

GHS Response Phrases: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER or doctor/physician if you feel unwell.
If skin irritation occurs, get medical advice/attention.
If eye irritation persists, get medical advice/attention.

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GHS Storage and Disposal Phrases:

In case of fire, use dry chemical powder to extinguish.
Store container tightly closed in well-ventilated place.
Store locked up.
Dispose of contents/container according to local, state and federal regulations.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Other Hazards:

Causes mild skin irritation.

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

Vapor harmful. May cause dizziness; headache; watering of eyes; irritation of respiratory tract; weakness; drowsiness; nausea; numbness in fingers, arms and legs; depression of central nervous system; loss of appetite; fatigue; hallucinations; light headedness; visual disturbances; giddiness and intoxication; sleepiness; cough and dyspnea; cold, clammy extremities; diarrhea; vomiting; dilation of pupils; spotted vision. Severe overexposure may cause convulsions; unconsciousness; coma; and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

Skin Contact Acute Exposure Effects:

May be absorbed through the skin. May cause irritation; numbness in the fingers and arms; drying of skin; and dermatitis. May cause increased severity of symptoms listed under inhalation.

Eye Contact Acute Exposure Effects:

This material is an eye irritant. May cause irritation; burns; conjunctivitis of eyes; and corneal ulcerations of the eye. Vapors may irritate eyes.

Ingestion Acute Exposure Effects:

May cause dizziness; headache; nausea; vomiting; burning sensation in mouth, throat, and stomach; loss of coordination; depression of the central nervous system; narcosis; stupor; gastrointestinal irritation; liver, kidney, and heart damage; diarrhea; loss of appetite; coma and death. May produce symptoms listed under inhalation.

As a note, this product contains less than 1% methanol by weight. Methanol is a poison. It cannot be made non-poisonous. Methanol may be fatal or cause blindness if ingested.

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. Prolonged skin contact may result in absorption of a harmful amount of this material. May cause conjunctivitis; gastric disturbances; insomnia; dizziness; headache; weakness; fatigue; nausea; heart palpitations; skin irritation; numbness in hands and feet; permanent central nervous system changes; some loss of memory; pancreatic damage; giddiness; visual impairment or blindness; kidney or liver damage; and death. May cause symptoms listed under inhalation.

Routes of Entry: skin, ingestion, inhalation

Target Organs: skin, central nervous system, liver, kidneys, respiratory system

Medical Conditions Generally Aggravated By Exposure:

Diseases of the skin, eyes, liver, kidneys, central nervous system and respiratory system.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
67-64-1	Acetone {2-Propanone}	60.0 -100.0 %
64-17-5	Ethyl alcohol {Ethanol}	10.0 -30.0 %
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	<10.0 %
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	1.0 -5.0 %
78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	1.0 -5.0 %
123-86-4	Butyl acetate {n-Butyl acetate. Acetic acid, Butyl ester}	1.0 -5.0 %
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	< 1.0 %

Additional Chemical Information

Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Skin:

Remove contaminated clothing. Immediately wash skin thoroughly with large amounts of water and mild soap, if available. Seek medical attention if irritation develops or persists.

Eyes:

Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes. Seek immediate 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 or poison control center immediately. Never give anything by mouth to an unconscious person.

Signs and Symptoms Of Exposure:

See Potential Health Effects.

Note to Physician:

This product contains less than 1% methanol by weight. Methanol is a poison. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. Call your local poison control center for further information.

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5. FIRE FIGHTING MEASURES

Flammability Classification:	Class IB
Flash Pt:	0.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Use carbon dioxide, dry powder, or alcohol resistant foam. Water spray may be ineffective. Do not use high pressure water streams to suppress fire, they may spread the fire.
Unsuitable Extinguishing Media:	Do not use a solid water stream, as this may spread the fire.
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. High pressure water streams may spread product and fire.
Flammable Properties and Hazards:	Flashback of vapors is possible over considerable distances. Vapors may ignite explosively and cause flash fires.
	Material is slightly soluble in water. Material may float on water.
Hazardous Combustion Products:	Carbon monoxide and carbon dioxide and other unidentified organic compounds.

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:	Only use this product as directed on the label.
	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.

SAFETY DATA SHEET

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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, any source of heat, or at elevated temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-64-1	Acetone {2-Propanone}	ACGIH TLV	TLV: 500 ppm STEL: 750 ppm	
		OSHA PELs	PEL: 1000 ppm	
64-17-5	Ethyl alcohol {Ethanol}	ACGIH TLV	TLV: 1000 ppm	
		OSHA PELs	PEL: 1000 ppm	
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	ACGIH TLV	TLV: 20 ppm	
		OSHA PELs	PEL: 50 ppm	
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	ACGIH TLV	TLV: 400 ppm	
		OSHA PELs	PEL: 400 ppm	
78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	ACGIH TLV	TLV: 200 ppm STEL: 300 ppm	
		OSHA PELs	PEL: 200 ppm	
123-86-4	Butyl acetate {n-Butyl acetate. Acetic acid, Butyl ester}	ACGIH TLV	TLV: 150 ppm STEL: 200 ppm	
		OSHA PELs	PEL: 150 ppm	
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	ACGIH TLV	TLV: 200 ppm STEL: 250 ppm	
		OSHA PELs	PEL: 200 ppm	
Respiratory Equipment (Specify Type):		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 provide protection against vapors.		
Eye Protection:		Safety glasses, 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. Lamine film gloves offer the best protection. Other glove materials such as natural rubber, neoprene, and nitrile 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 use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.		
Engineering Controls		Use only with adequate ventilation to prevent build-up of vapors. Open all windows and		

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(Ventilation etc.):	doors. Use only with 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.
Work/Hygienic/Maintenance Practices:	Wash hands thoroughly after use and before eating, drinking, or smoking. 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 [X] Liquid [] Solid
Appearance and Odor:	Water White, Free and Clear
pH:	No data.
Melting Point:	No data.
Boiling Point:	No data.
Flash Pt:	0.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
Evaporation Rate:	> 1
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	160 MM HG at 68.0 F
Vapor Density (vs. Air = 1):	> 1
Specific Gravity (Water = 1):	0.802
Density:	6.663 LB/GL
Solubility in Water:	Slight
Octanol/Water Partition Coefficient:	No data.
Percent Volatile:	100.0 % by weight.
VOC / Volume:	28.8300 % WT
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	water thin
Additional Physical Information	VOC (G/L): 230

10. STABILITY AND REACTIVITY

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	No data available.
Incompatibility - Materials To Avoid:	Incompatible with strong oxidizing agents, strong caustics, strong inorganic acids, amines, hydrogen peroxide, and nitrates. Acetone may form explosive mixtures with chromic anhydride, chromyl alcohol, hexachloromelamine, hydrogen peroxide, permonosulfuric acid, potassium tertbutoxide, thioglycol, and strong oxidizers.
Hazardous Decomposition or Byproducts:	Decomposition may produce carbon monoxide; carbon dioxide; aldehydes; ketones; and unidentified organic compounds.
Possibility of Hazardous	Will occur [] Will not occur [X]

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Reactions:

Conditions To Avoid -

No data available.

Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

This product has not been tested as a whole. Refer to section 2 for acute and chronic health effects.

CAS# 67-64-1:

Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.

Result:

Behavioral: Change in motor activity (specific assay).

Behavioral: Alteration of classical conditioning.

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 64-17-5:

Acute toxicity, LD50, Oral, Rat, 7060. MG/KG.

Result:

Lungs, Thorax, or Respiration: Other changes.

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 16,718, 1970

CAS# 111-76-2:

Acute toxicity, LC50, Inhalation, Rat, 450.0 PPM, 4 H.

Result:

Behavioral: Ataxia.

Nutritional and Gross Metabolic: Weight loss or decreased weight gain.

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 68,405, 1983

Acute toxicity, LD50, Skin, Species: Rabbit, 220.0 MG/KG.

Result:

Effects on Embryo or Fetus: Extra embryonic structures (e.g., placenta, umbilical cord).

Effects on Embryo or Fetus: Other effects to embryo.

Specific Developmental Abnormalities: Musculoskeletal system.

- Dow Chemical Company Reports., Dow Chemical USA, Health and Environment Research, Toxicology Research Lab, Midland, MI 48640, Vol/p/yr: MSD-46,

Acute toxicity, LD50, Oral, Rat, 250.0 mg/kg.

Result:

Lungs, Thorax, or Respiration: Changes in pulmonary vascular resistance.

Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG, Severe.

Result:

Effects on Newborn: Apgar score (human only).

Effects on Newborn: Other neonatal measures or effects.

Effects on Newborn: Drug dependency.

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

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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# 78-93-3:

Standard Draize Test, Eyes, Human, 350.0 PPM.

Result:

Behavioral: Anticonvulsant.

- Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 25,282, 1943

Chronic Toxicological Effects:

This product has not been tested as a whole.

Carcinogenicity/Other Information:

ACGIH A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

ACGIH A4 - Not Classifiable as a Human Carcinogen

IARC 3: Not Classifiable as to Carcinogenicity in Humans.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.
64-17-5	Ethyl alcohol {Ethanol}	n.a.	1	A4	n.a.
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	n.a.	3	A3	n.a.
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	n.a.	n.a.	n.a.	n.a.
78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	n.a.	n.a.	n.a.	n.a.
123-86-4	Butyl acetate {n-Butyl acetate. Acetic acid, Butyl ester}	n.a.	n.a.	n.a.	n.a.
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION**General Ecological Information:**

No information available for this product as a whole.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method:**

Dispose of in accordance with all applicable 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.

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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)
67-64-1	Acetone {2-Propanone}	No	Yes 5000 LB	No
64-17-5	Ethyl alcohol {Ethanol}	No	No	No
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	No	No	Yes-Cat. N230
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	No	Yes 5000 LB	No
78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	No	Yes 5000 LB	No
123-86-4	Butyl acetate {n-Butyl acetate. Acetic acid, Butyl ester}	No	Yes 5000 LB	No
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	No	Yes 5000 LB	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-64-1	Acetone {2-Propanone}	TSCA: Inventory
64-17-5	Ethyl alcohol {Ethanol}	TSCA: Inventory
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	CAA HAP,ODC: Yes - Cat. TSCA: Inventory
141-78-6	Acetic acid, ethyl ester {Ethyl acetate}	TSCA: Inventory
78-93-3	Methyl ethyl ketone {MEK; 2-Butanone}	TSCA: Inventory
123-86-4	Butyl acetate {n-Butyl acetate. Acetic acid, Butyl ester}	CWA NPDES TSCA: Inventory
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	CAA HAP,ODC: HAP: VHAP TSCA: Inventory CA PROP.65: Yes: RDTox.

16. OTHER INFORMATION

Revision Date: 05/08/2015
Preparer Name: W.M. Barr EHS Dept (901)775-0100

Additional Information About This Product: No data available.

This Product:**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.