

SAFETY DATA SHEET

Klean Strip Brush Cleaner

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Klean Strip Brush Cleaner
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: Clean up of natural and synthetic paint brushes.
Product Code: QKBC121, GKBC120

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 2
Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2
Toxic To Reproduction, Category 2
Specific Target Organ Toxicity (single exposure), Category 1
Specific Target Organ Toxicity (repeated exposure), Category 2
Aspiration Toxicity, Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: Highly flammable liquid and vapor.
Harmful if swallowed, in contact with skin or if inhaled.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
Harmful if inhaled.
Suspected of damaging fertility or the unborn child.
Causes damage to organs.
May cause damage to organs through prolonged or repeated exposure.

GHS Precautionary Phrases: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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.
Do not breathe gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.

GHS Response Phrases: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water.
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.
IF exposed: Call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical attention/advice.
Get medical attention/advice if you feel unwell.
Specific treatment see label.
Specific measures see label.
Rinse mouth.
Do NOT induce vomiting.
If skin irritation occurs, get medical advice/attention.
If eye irritation persists, get medical advice/attention.
Take off contaminated clothing and wash before re-use.
Wash contaminated clothing before reuse.
In case of fire, use dry chemical powder to extinguish.

GHS Storage and Disposal Phrases:

Store in cool/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.

Potential Health Effects (Acute and Chronic):

**See above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	10.0 -30.0 %
108-88-3	Toluene {Benzene, Methyl-; Toluol}	10.0 -30.0 %
64741-85-1	Raffinates (petroleum), sorption process	10.0 -30.0 %
67-64-1	Acetone {2-Propanone}	10.0 -30.0 %
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	5.0 -10.0 %
141-43-5	Ethanol, 2-Amino- {Ethanolamine; Monoethanolamine; beta-Aminoethyl alcohol}	0.1 -1.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation:	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
In Case of Skin Contact:	Immediately flush skin with plenty of water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash clothing before reuse.
In Case of Eye Contact:	Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
In Case of Ingestion:	Do not induce vomiting unless directed to do so by medical personnel.
Signs and Symptoms Of Exposure:	**Refer to section 2.
Note to Physician:	**None known.

5. FIRE FIGHTING MEASURES

	NFPA Class IB
Flash Pt:	4.00 F Method Used: TAG Closed Cup
Explosive Limits:	LEL: N.D. UEL: N.D.
Autoignition Pt:	N.D.
Suitable Extinguishing Media:	Use carbon dioxide, dry powder, or alcohol resistant foam.
Unsuitable Extinguishing Media:	Water stream may be ineffective and 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.
Flammable Properties and Hazards:	Vapors may travel to source of ignition and flash back.
Hazardous Combustion Products:	Oxides of carbon.

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.
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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.
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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 or at elevated temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	ACGIH TLV	TLV: 200 ppm STEL: 250 ppm	
		OSHA PELs	PEL: 200 ppm	
108-88-3	Toluene {Benzene, Methyl-; Toluol}	ACGIH TLV	TLV: 50 ppm	
		OSHA PELs	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	
67-64-1	Acetone {2-Propanone}	ACGIH TLV	TLV: 500 ppm STEL: 750 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	
141-43-5	Ethanol, 2-Amino- {Ethanolamine; Monoethanolamine; beta-Aminoethyl alcohol}	ACGIH TLV	TLV: 3 ppm STEL: 6 ppm	
		OSHA PELs	PEL: 3 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 provided protection against vapors.

Eye Protection:

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

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 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,

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	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.
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:	Clear to slightly turbid. Odor threshold not determined.
pH:	10.5
Melting Point:	N.D.
Boiling Point:	> 133.00 F
Flash Pt:	4.00 F Method Used: TAG Closed Cup
Evaporation Rate:	N.D.
Flammability (solid, gas):	Flammable; may be ignited by heat, sparks or flames.
Explosive Limits:	LEL: N.D. UEL: N.D.
Vapor Pressure (vs. Air or mm Hg):	N.D.
Vapor Density (vs. Air = 1):	N.D.
Specific Gravity (Water = 1):	0.7649 - 0.9032
Density:	N.D.
Solubility in Water:	N.D.
Octanol/Water Partition Coefficient:	N.D.
Percent Volatile:	100.0 % by weight.
VOC / Volume:	86.8200 % WT
Autoignition Pt:	N.D.
Decomposition Temperature:	N.D.
Viscosity:	N.D.

10. STABILITY AND REACTIVITY

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	**None known.
Incompatibility - Materials To Avoid:	Incompatible with strong oxidizing agents, strong caustics, acids, alkali, amines, reducing agents, aldehydes, ammonia, nitrogen peroxides and reactive metals.
Hazardous Decomposition or Byproducts:	Carbon oxides,
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	**None known.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	<p>This product has not been tested as a whole. Refer to section 2 for acute and chronic effects.</p> <p>CAS# 108-88-3:</p> <p>Reproductive Effects:, TCLo, Inhalation, Rat, 800.0 MG/M3, 6 H, female 14-20 day(s) after conception.</p> <p>Result:</p> <p>Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).</p> <p>Effects on Newborn: Behavioral.</p> <p>- Brazilian Journal of Medical and Biological Research., Vol/p/yr: 23,533, 1990</p> <p>Standard Draize Test, Eyes, Species: Rabbit, 2.000 MG, 24 H, Severe.</p> <p>Result:</p> <p>Effects on Embryo or Fetus: Other effects to embryo.</p> <p>Specific Developmental Abnormalities: Eye, ear.</p> <p>- Prehled Prumyslove Toxikologie, Marhold, J., Organicke Latky, Prague Czechoslovakia, Vol/p/yr: -,29, 1986</p> <p>CAS# 67-64-1:</p> <p>Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.</p> <p>Result:</p> <p>Behavioral: Change in motor activity (specific assay).</p> <p>Behavioral: Alteration of classical conditioning.</p> <p>- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946</p> <p>CAS# 111-76-2:</p> <p>Acute toxicity, LC50, Inhalation, Rat, 450.0 PPM, 4 H.</p> <p>Result:</p> <p>Behavioral: Ataxia.</p> <p>Nutritional and Gross Metabolic:Weight loss or decreased weight gain.</p> <p>- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 68,405, 1983</p> <p>Acute toxicity, LD50, Skin, Species: Rabbit, 220.0 MG/KG.</p> <p>Result:</p> <p>Effects on Embryo or Fetus: Extra embryonic structures (e.g., placenta, umbilical cord).</p> <p>Effects on Embryo or Fetus: Other effects to embryo.</p> <p>Specific Developmental Abnormalities: Musculoskeletal system.</p> <p>- Dow Chemical Company Reports., Dow Chemical USA, Health and Environment Research, Toxicology Research Lab, Midland, MI 48640, Vol/p/yr: MSD-46,</p> <p>Acute toxicity, LD50, Oral, Rat, 250.0 mg/kg.</p> <p>Result:</p> <p>Lungs, Thorax, or Respiration:Changes in pulmonary vascular resistance.</p> <p>Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG, Severe.</p> <p>Result:</p> <p>Effects on Newborn: Apgar score (human only).</p> <p>Effects on Newborn: Other neonatal measures or effects.</p>
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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

CAS# 141-43-5:

Acute toxicity, LD50, Oral, Rat, 1720. MG/KG.

Result:

Brain and Coverings: Other degenerative changes.

Autonomic Nervous System: Other (direct) parasympathomimetic.

Autonomic Nervous System: Parasympatholytic.

- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 42,417, 1977

Open irritation test., Skin, Species: Rabbit, 505.0 MG, Moderate.

Result:

Peripheral Nerve and Sensation: Sensory change involving segmental distribution.

Behavioral: Alteration of classical conditioning.

- Union Carbide Data Sheet, Union Carbide Corp., 39 Old Ridgebury Rd., Danbury, CT 06817, Vol/p/yr: 1/13, 1972

Standard Draize Test, Eyes, Species: Rabbit, 250.0 UG, Severe.

Result:

Peripheral Nerve and Sensation: Sensory change involving segmental distribution.

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

Carcinogenicity/Other Information:

IARC 3: Not Classifiable as to Carcinogenicity in Humans.

ACGIH A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

ACGIH A4 - Not classifiable as a human carcinogen

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	n.a.	n.a.	n.a.	n.a.
108-88-3	Toluene {Benzene, Methyl-; Toluol}	n.a.	3	A4	n.a.
64741-85-1	Raffinates (petroleum), sorption process	n.a.	n.a.	n.a.	n.a.
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	n.a.	3	A3	n.a.
141-43-5	Ethanol, 2-Amino- {Ethanolamine; Monoethanolamine; beta-Aminoethyl alcohol}	n.a.	n.a.	n.a.	n.a.

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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 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.

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)
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	No	Yes 5000 LB	Yes
108-88-3	Toluene {Benzene, Methyl-; Toluol}	No	Yes 1000 LB	Yes
64741-85-1	Raffinates (petroleum), sorption process	No	No	No
67-64-1	Acetone {2-Propanone}	No	Yes 5000 LB	No
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	No	No	Yes-Cat. N230
141-43-5	Ethanol, 2-Amino- {Ethanolamine; Monoethanolamine; beta-Aminoethyl alcohol}	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	CAA HAP,ODC: HAP: VHAP TSCA: Inventory CA PROP.65: Yes: RDTox.
108-88-3	Toluene {Benzene, Methyl-; Toluol}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory, 8A CAIR CA PROP.65: Yes: RDTox(F)
64741-85-1	Raffinates (petroleum), sorption process	TSCA: Inventory
67-64-1	Acetone {2-Propanone}	TSCA: Inventory
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	CAA HAP,ODC: Yes - Cat. TSCA: Inventory
141-43-5	Ethanol, 2-Amino- {Ethanolamine; Monoethanolamine; beta-Aminoethyl alcohol}	TSCA: Inventory

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Additional Regulatory 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.

16. OTHER INFORMATION

Revision Date: 04/25/2019

Preparer Name: W.M. Barr EHS Dept (901)775-0100

Additional Information About This Product: N.D.: Not determined.

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.