

MATERIAL SAFETY DATA SHEET

Klean-Strip Gun Cleaner

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Printed: 05/04/2006
Revision: 04/17/2006
Supersedes Revision: 01/21/2005

1. Product and Company Identification

Product Code: CGC111
Product Name: Klean-Strip Gun Cleaner
Reference #: 17056.7

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 Dept (901)775-0100

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Percentage	OSHA TWA	ACGIH TWA	Other Limits
1. Xylene (mixed isomers)	1330-20-7	20.0 -35.0 %	100 ppm	100 ppm	
2. Methanol	67-56-1	5.0 -15.0 %	200 ppm	200 ppm	
3. Acetone	67-64-1	20.0 -40.0 %	1000 ppm	500 ppm	
4. Ethanol, 2-Butoxy-	111-76-2	5.0 -10.0 %	50 ppm	20 ppm	
5. Butyl acetate	123-86-4	1.0 -5.0 %	150 ppm	150 ppm	
6. Stoddard solvent	8052-41-3	10.0 -15.0 %	500 ppm	100 ppm	
7. Toluene	108-88-3	5.0 -10.0 %	200 ppm	50 ppm	

Hazardous Components (Chemical Name)	CAS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. Xylene (mixed isomers)	1330-20-7	125 ppm (15 min)		150 ppm	
2. Methanol	67-56-1			250 ppm	
3. Acetone	67-64-1			750 ppm	
4. Ethanol, 2-Butoxy-	111-76-2				
5. Butyl acetate	123-86-4			200 ppm	
6. Stoddard solvent	8052-41-3				
7. Toluene	108-88-3	500 ppm/(10min)	300 ppm		

3. Hazards Identification

Emergency Overview

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; burns and severe irritation to the respiratory tract; injuries to mucous membranes; watering of the eyes; weakness; drowsiness; nausea; numbness in fingers, arms, and legs; hot flashes; depression of the central nervous system; spotted vision; fatigue; dilation of pupils; increase in carboxyhemoglobin levels, which can cause stress to the cardiovascular system; arm, leg and chest pains; eye irritation; giddiness and intoxication; narcosis; anesthesia; confusion; olfactory changes; vomiting; visual disturbances; sleepiness; cough and dyspnea; cold, clammy extremities; diarrhea; irregular or rapid heartbeat; liver and kidney damage; unconsciousness; coma; and death. Severe overexposure may cause irregular or rapid heartbeat, convulsions, unconsciousness, and death. Intentional misuse of this product by deliberately concentrating and inhaling the vapors can be harmful or fatal. Elevated carboxyhemoglobin levels can be additive to the increase caused by smoking and other carbon monoxide sources. This product is a simple asphyxiant.

SKIN CONTACT ACUTE EXPOSURE EFFECTS:

This product is a skin irritant. Product may be absorbed through the skin. Harmful if absorbed through the skin. May cause itching; irritation; redness; defatting of the skin; drying of the skin; inflammation; discomfort or pain; swelling; dermatitis; and tissue damage. May cause symptoms listed under inhalation and ingestion. May increase the severity of symptoms listed under inhalation.

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EYE CONTACT ACUTE EXPOSURE EFFECTS:

This material is an eye irritant. May cause irritation, burns, temporary corneal injury, redness, tearing, blurred vision, conjunctivitis of eyes, and corneal ulcerations of the eye. Vapors may irritate the eyes.

INGESTION ACUTE EXPOSURE EFFECTS:

Poison. Cannot be made non-poisonous. May be fatal or cause blindness if swallowed. Vapor harmful. May cause nausea; irritation to mouth, throat and stomach; loss of coordination; stupor; changes in white blood cells; drowsiness; rapid heartbeat; low blood pressure; vomiting; gastrointestinal irritation; depression of the central nervous system; narcosis; diarrhea; reddening of face and/or neck; liver, kidney and heart damage; unconsciousness; and death. May produce symptoms listed under inhalation. Liquid aspirated into lungs may cause chemical pneumonitis and systemic effects. Ingestion of significant quantities may result in red blood cell hemolysis.

CHRONIC EXPOSURE EFFECTS:

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged skin contact may cause irritation, redness, swelling and possible tissue destruction. Prolonged or repeated contact may cause dermatitis. Prolonged skin contact may result in absorption of a harmful amount of this material. May cause headaches; conjunctivitis; skin irritation; pancreatic damage; permanent central nervous system changes; gastric disturbances; giddiness; insomnia; decreased response to visual and auditory stimulation; visual impairment or blindness; hallucinations; changes in blood; blood disorders; kidney damage; eye irritation; brain damage; hallucinations; liver damage, and death. May cause additional symptoms listed under inhalation.

Signs and Symptoms Of Exposure

See Potential Health Effects.

Medical Conditions Generally Aggravated By Exposure

Diseases of the blood, skin, eyes, liver, kidneys, lungs, cardiovascular system and respiratory system; alcoholism and rhythm disorders of the heart.

4. First Aid Measures

Emergency and First Aid Procedures

INHALATION:

If user experiences breathing difficulty, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SKIN CONTACT:

Wash with soap and water. Get medical attention if irritation from contact persists.

EYE CONTACT:

Flush eye with water for at least 15 minutes. Get medical attention.

INGESTION:

Call your poison control center, hospital emergency room, or physician immediately for instructions.

Note to Physician

Poison. This product contains methanol.

This product contains methanol which can cause intoxication and central nervous system depression. Methanol is metabolized to formic acid and formaldehyde. These metabolites can 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 to prevent methanol metabolism. Ethanol administration is indicated in symptomatic patients or at blood methanol concentrations above 20 ug/dl. Methanol is effectively removed by hemodialysis.

5. Fire Fighting Measures

Flammability Classification: IB
Flash Pt: -17.22 C Method Used: SCC
Explosive Limits: LEL: 0.9 UEL:

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

Danger! Extremely Flammable! 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. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated by synthetic clothing and other sources. Keep away from electrical outlets and switches.

Hazardous Combustion Products

Combustion may produce carbon monoxide and carbon dioxide.

Extinguishing Media

Use carbon dioxide, dry powder, or foam.

Unsuitable Extinguishing Media

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

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.

Precautions To Be Taken in Storing

Store in a cool place in original container and protect from sunlight. Exposure to high temperatures or prolonged exposure to sun may cause can to leak or swell. Do not store near flames or at elevated temperatures.

8. Exposure Controls/Personal Protection

Respiratory Equipment (Specify Type)

For occasional consumer use - Use with adequate ventilation to prevent a build-up of vapors in confined areas. Open windows or position fans to provide cross ventilation. If a mild to strong odor is noticeable, ventilation is not adequate.

For OSHA controlled workplace and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLVs. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved self-contained breathing apparatus for organic solvent vapors. A dust mask does not provide 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 impermeable gloves. Gloves contaminated with product should be discarded.

Other Protective Clothing

Various application methods can dictate 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 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 of the eyes and skin.

Wash hands thoroughly after use.

Do not eat, drink, or smoke in the work area.

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.

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9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid
Boiling Point: 103.00 F - 400.00 F
Flash Pt: -17.22 C Method: SCC
Explosive Limits: LEL: 0.9 UEL:
Density: 6.78 LB/GL at 75.0 F
Vapor Pressure (vs. Air or mm Hg): <=33 MM HG at 20.0 C
Vapor Density (vs. Air = 1): > 1
Evaporation Rate (vs Butyl Acetate=1): < 1
Percent Volatile: 99.0 % by weight.
VOC / Volume: <= 550.0000 G/L
Appearance and Odor

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Incompatibility - Materials To Avoid

Incompatible with strong oxidizing agents; strong caustics; strong alkalis; oxygen; nitrogen peroxide; chemically active metals such as aluminum and magnesium; sodium; potassium; and nitric acid.

Hazardous Decomposition Or Byproducts

Decomposition may produce carbon monoxide and carbon dioxide, oxides of nitrogen, and unidentified organic compounds in black smoke.

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

11. Toxicological Information

Toxicological Information

Carcinogenicity/Other Information

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

Ecological Information

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

Additional Transport Information

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

15. Regulatory Information

No data available.

16. Other Information

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.