

## Klean-Strip Aircraft Fiberglass Paint Remover

Revision: 05/01/2019

Supersedes Revision: 01/29/2019

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	Klean-Strip Aircraft Fiberglass Paint Remover	
<b>Company Name:</b>	W. M. Barr 2105 Channel Avenue Memphis, TN 38113	<b>Phone Number:</b> (901)775-0100
<b>Web site address:</b>	www.wmbarr.com	
<b>Emergency Contact Information:</b>	3E 24 Hour Emergency Contact W.M. Barr Customer Service	(800)451-8346 (800)398-3892
<b>Intended Use:</b>	Paint/Varnish Remover	
<b>Product Code:</b>	GAF354, GAF354CN	
<b>Additional Information</b>	This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.	

## 2. HAZARDS IDENTIFICATION

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



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** Highly flammable liquid and vapor.  
 Harmful if swallowed.  
 Harmful in contact with skin.  
 Causes severe skin burns and eye damage.  
 Causes serious eye irritation.  
 Harmful if inhaled.  
 May cause cancer state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard.  
 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.  
 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.

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	Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.
<b>GHS Response Phrases:</b>	IF SWALLOWED: 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. Immediately call a POISON CENTER or doctor/physician. Get medical attention/advice if you feel unwell. Specific treatment see label. Rinse mouth. If eye irritation persists, get medical advice/attention. Wash contaminated clothing before reuse.
<b>GHS Storage and Disposal Phrases:</b>	Store in cool/well-ventilated place. Store locked up. Dispose of contents/container according to local, state and federal regulations.
<b>OSHA Regulatory Status:</b>	This material is classified as hazardous under OSHA regulations.
<b>Potential Health Effects (Acute and Chronic):</b>	See above.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
108-88-3	Toluene {Benzene, Methyl-; Toluol}	15.0 -40.0 %
75-09-2	Dichloromethane {Methylene chloride; R-30; Freon 30}	10.0 -30.0 %
67-64-1	Acetone {2-Propanone}	10.0 -30.0 %
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	10.0 -30.0 %

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

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## 4. FIRST AID MEASURES

<b>Emergency and First Aid Procedures:</b>	<p><b>INHALATION</b> If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.</p> <p><b>SKIN CONTACT</b> Immediately wash with soap and large quantities of water. Seek medical attention if irritation from contact persists.</p> <p><b>EYE CONTACT</b> Flush with large quantities of water, remove any contact lens, and continue flushing with water for at least 15 minutes, then seek immediate medical attention.</p> <p><b>INGESTION</b> Call your poison control center, hospital emergency room or physician immediately for instructions to induce vomiting.</p>
<b>Signs and Symptoms Of Exposure:</b>	Refer to section 2.
<b>Note to Physician:</b>	

## 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	NFPA Class 1B 10.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
<b>Explosive Limits:</b>	LEL: 1.2 % UEL: 36 %
<b>Autoignition Pt:</b>	N.D.
<b>Suitable Extinguishing Media:</b>	Carbon dioxide, dry powder or alcohol resistant foam. Water spray may be used, but may be ineffective at extinguishing the fire.
<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>	DANGER! 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 anywhere in the structure, dwelling or building during use and until all vapors are gone from the work site and all areas away from the work site. Keep away from electrical outlets and switches. Beware of static electricity that may be generated by synthetic clothing and other sources.
<b>Hazardous Combustion Products:</b>	Carbon monoxide, carbon dioxide, other unburned hydrocarbons and toxic fumes. Incomplete combustion could result in the formation of phosgene.

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**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. Use non-sparking tools. Use proper bonding and grounding procedures. Keep material out of waterways, bodies of water, and sewers.

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. If possible collect material for reuse. Collect remainder of material for proper 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.

Avoid breathing of vapors or mist and contact with skin, eyes, and clothing.

A source of clean water should be immediately available for flushing of the eyes and skin should contact occur.

**Precautions To Be Taken in Storing:**

Store in a cool, dry place. Keep container tightly closed. Exposure to high temperatures or prolonged exposure to sun may cause can to leak or swell. Once opened, remover should be used within six months or discarded to avoid can deterioration. Do not store near flames or at elevated temperatures.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
108-88-3	Toluene {Benzene, Methyl-; Toluol}	ACGIH TLV	TLV: 50 ppm	
		OSHA PELs	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	
75-09-2	Dichloromethane {Methylene chloride; R-30; Freon 30}	ACGIH TLV	TLV: 50 ppm	
		OSHA PELs	PEL: 25 ppm STEL: 125 ppm (15 min)	
67-64-1	Acetone {2-Propanone}	ACGIH TLV	TLV: 500 ppm STEL: 750 ppm	
		OSHA PELs	PEL: 1000 ppm	
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	ACGIH TLV	TLV: 200 ppm STEL: 250 ppm	
		OSHA PELs	PEL: 200 ppm	

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<b>Respiratory Equipment (Specify Type):</b>	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 supplied air respirator or breathing apparatus for chlorinated solvent vapors. A dust mask does not provide protection against vapors.
<b>Eye Protection:</b>	Safety glasses, chemical goggles, or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Chemical goggles or face shields are recommended when splashing or spraying of chemical is possible. A faceshield provides more protection to help reduce chemical contact to the face and eyes.
<b>Protective Gloves:</b>	Wear gloves with as much resistance to the chemical ingredients as possible. Laminate film gloves offer the best protection. Other glove materials, such as nitrile rubber, will be degraded by methylene chloride, but may provide protection for some amount of time, based on the type of glove and the conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.
<b>Other Protective Clothing:</b>	Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.
<b>Engineering Controls (Ventilation etc.):</b>	Use only with adequate ventilation to prevent build up of vapors. Do not use in areas where vapors can accumulate and concentrate such as basements, bathrooms, and small enclosed areas. Whenever possible, use outdoors in an open air area. If strong odor is noticed or you experience slight dizziness - STOP - ventilation is not adequate. Leave area immediately. If the work area is not adequately ventilated, do not use this product.  For OSHA controlled workplaces, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
<b>Work/Hygienic/Maintenance Practices:</b>	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

<b>Physical States:</b>	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
<b>Appearance and Odor:</b>	Solvent odor. Odor threshold not determined.
<b>pH:</b>	N.D.
<b>Melting Point:</b>	N.D.
<b>Boiling Point:</b>	104.00 F - 230.00 F
<b>Flash Pt:</b>	10.00 F    Method Used:    Setaflash Closed Cup (Rapid Setaflash)
<b>Evaporation Rate:</b>	> 1
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive Limits:</b>	LEL: 1.2 %                      UEL: 36 %
<b>Vapor Pressure (vs. Air or mm Hg):</b>	40 mm Hg - (of VOC)    at 68.0 F
<b>Vapor Density (vs. Air = 1):</b>	> 1

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<b>Specific Gravity (Water = 1):</b>	0.89
<b>Density:</b>	7.451 LB/GL at 77.0 F
<b>Solubility in Water:</b>	Partially
<b>Octanol/Water Partition Coefficient:</b>	N.D.
<b>Percent Volatile:</b>	98.0 % by weight.
<b>VOC / Volume:</b>	49.1000 % WT
<b>Autoignition Pt:</b>	N.D.
<b>Decomposition Temperature:</b>	N.D.
<b>Viscosity:</b>	N.D.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ <input type="checkbox"/> ]    Stable [ <input checked="" type="checkbox"/> ]
<b>Conditions To Avoid - Instability:</b>	None known.
<b>Incompatibility - Materials To Avoid:</b>	Incompatible with strong oxidizing agents; strong caustics; strong alkalis; oxygen; nitrogen peroxide; chemically active metals such as aluminum or magnesium; sodium; potassium; and nitric acid.
<b>Hazardous Decomposition or Byproducts:</b>	Thermal decomposition may produce hydrogen chloride; chlorine gas; small quantities of phosgene; carbon monoxide; carbon dioxide; formaldehyde; and unidentified organic compounds in black smoke.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ <input type="checkbox"/> ]    Will not occur [ <input checked="" type="checkbox"/> ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

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

CAS# 108-88-3:

Reproductive Effects:, TCLo, Inhalation, Rat, 800.0 MG/M3, 6 H, female 14-20 day(s) after conception.

Result:

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Effects on Newborn: Behavioral.

- Brazilian Journal of Medical and Biological Research., Vol/p/yr: 23,533, 1990

Standard Draize Test, Eyes, Species: Rabbit, 2.000 MG, 24 H, Severe.

Result:

Effects on Embryo or Fetus: Other effects to embryo.

Specific Developmental Abnormalities: Eye, ear.

- Prehled Prumyslove Toxikologie, Marhold, J., Organicke Latky, Prague Czechoslovakia, Vol/p/yr: -,29, 1986

CAS# 75-09-2:

Tumorigenic Effects:, TCLo, Inhalation, Rat, 3500. PPM, 6 Y.

Result:

Tumorigenic: Carcinogenic by RTECS criteria.

Endocrine: Tumors.

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- Fundamental and Applied Toxicology., Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 4,30, 1984

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

Result:

Effects on Newborn: Growth statistics (e.g., reduced weight gain).

Effects on Newborn: Physical.

- Union Carbide Data Sheet, Union Carbide Corp., 39 Old Ridgebury Rd., Danbury, CT 06817, Vol/p/yr: 4/25, 1958

Standard Draize Test, Skin, Species: Rabbit, 810.0 MG, 24 H, Severe.

Result:

Specific Developmental Abnormalities: Musculoskeletal system.

- European Journal of Toxicology and Environmental Hygiene., For publisher information, see TOERD9, Paris France, Vol/p/yr: 9,171, 1976

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

**Carcinogenicity/Other Information:**

IARC 2B - Possibly Carcinogenic to Humans

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
108-88-3	Toluene {Benzene, Methyl-, Toluol}	n.a.	3	A4	n.a.
75-09-2	Dichloromethane {Methylene chloride; R-30; Freon 30}	Possible	2B	A3	Yes
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	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 local, state, and federal laws.

Do not place material in general trash.

Do not allow material to enter bodies of water or sewers.

**14. TRANSPORT INFORMATION**

# SAFETY DATA SHEET

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**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Paint Related Material  
**DOT Hazard Class:** 3 FLAMMABLE LIQUID  
**UN/NA Number:** UN1263 **Packing Group:** II

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:**  
**UN Number:** 1263 **Packing Group:** II  
**Hazard Class:** 3 - FLAMMABLE LIQUID **TDG Classification:**

**Additional Transport Information:** The 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)
108-88-3	Toluene {Benzene, Methyl-; Toluol}	No	Yes 1000 LB	Yes
75-09-2	Dichloromethane {Methylene chloride; R-30; Freon 30}	No	Yes 1000 LB	Yes
67-64-1	Acetone {2-Propanone}	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
108-88-3	Toluene {Benzene, Methyl-; Toluol}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory, 8A CAIR CA PROP.65: Yes: RDTox(F)
75-09-2	Dichloromethane {Methylene chloride; R-30; Freon 30}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory, 8A CAIR CA PROP.65: Yes: Canc.
67-64-1	Acetone {2-Propanone}	TSCA: Inventory
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	CAA HAP,ODC: HAP: VHAP TSCA: Inventory CA PROP.65: Yes: RDTox.

**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.



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**Additional Regulatory Information** This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

**16. OTHER INFORMATION**

**Revision Date:** 05/01/2019

**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.