

Aircraft Non-Methylene Chloride Paint Remover

Revision: 05/07/2019

Supersedes Revision: 03/14/2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Aircraft Non-Methylene Chloride Paint Remover
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: Paint remover
Product Code: GAR2000, QAR2000

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 2
 Skin Corrosion/Irritation, Category 2
 Serious Eye Damage/Eye Irritation, Category 2
 Carcinogenicity, Category 2
 Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word: Danger

GHS Hazard Phrases: Highly flammable liquid and vapor.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause drowsiness or dizziness.
 Suspected of causing cancer.
 Harmful to aquatic life.

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.
 Avoid breathing dust/fume/gas/mist/vapors/spray.
 Wash hands thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Avoid release to the environment.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Keep cool.

GHS Response Phrases: 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 or concerned: Get medical attention/advice.
 Call a POISON CENTER or doctor/physician if you feel unwell.

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| | Specific treatment see on label. 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. |
| GHS Storage and Disposal Phrases: | 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. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS # | Hazardous Components (Chemical Name) | Concentration |
|------------|--|---------------|
| 67-64-1 | Acetone {2-Propanone} | 30.0 -60.0 % |
| 109-99-9 | Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane} | 30.0 -60.0 % |
| 7664-41-7 | Ammonia {Anhydrous Ammonia; R-717} | 1.0 -5.0 % |
| 929-06-6 | 2-(2-Aminoethoxy) ethanol | 0.1 -1.0 % |
| 64742-47-8 | Hydrotreated light distillate (petroleum, mineral spirits) | 1.0 -5.0 % |

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

4. FIRST AID MEASURES

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| Emergency and First Aid Procedures: | <p>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.</p> <p>Eyes: Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes, then seek immediate medical attention.</p> <p>Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.</p> <p>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.</p> |
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Note to Physician:

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5. FIRE FIGHTING MEASURES

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| Flammability Classification: | 1B |
| Flash Pt: | N.D. Method Used: Setaflash Closed Cup (Rapid Setaflash) |
| 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: | Do not use straight streams of water. If water is used, use a water spray or fog. |
| 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! Flammable. Keep away from heat, sparks, flame, and all other sources of ignition. 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. |
| Hazardous Combustion Products: | No data available. |

6. ACCIDENTAL RELEASE MEASURES

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| Steps To Be Taken In Case Material Is Released Or Spilled: | <p>Vapors may cause flash fire or ignite explosively.</p> <p>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.</p> <p>Small spills: Take up with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable.</p> <p>Large spills: Dike far ahead of spill for later disposal.</p> <p>Waste Disposal: Dispose in accordance with applicable local, state and federal regulations.</p> |
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7. HANDLING AND STORAGE

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| Precautions To Be Taken in Handling: | <p>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.</p> <p>Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.</p> <p>Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited.</p> |
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Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

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.

Keep container tightly closed when not in use - Tetrahydrofuran may form peroxides when exposed to air.

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 | |
| 109-99-9 | Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane} | ACGIH TLV | TLV: 50 ppm STEL: 100 ppm | |
| | | OSHA PELs | PEL: 200 ppm | |
| 7664-41-7 | Ammonia {Anhydrous Ammonia; R-717} | ACGIH TLV | TLV: 25 ppm STEL: 35 ppm | |
| | | OSHA PELs | PEL: 50 ppm | |
| 64742-47-8 | Hydrotreated light distillate (petroleum, mineral spirits) | ACGIH TLV | TLV: 200 mg/m3 | |
| Respiratory Equipment (Specify Type): | | For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved self-contained breathing apparatus or powered air supply respirator or loose fitting hood. | | |
| | | 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 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. | | |
| Protective Gloves: | | Wear gloves with as much resistance to the chemical ingredients as possible. Laminate film gloves offer the best protection. 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. 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. | | |
| Engineering Controls (Ventilation etc.): | | 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. If the work area is not well ventilated, DO NOT use this product. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas. | | |

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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:

Wash hands thoroughly after use and before eating, drinking, or smoking.

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

Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Physical States: | [X] Gas [X] Liquid [] Solid |
| Appearance and Odor: | Opaque viscous liquid Ammonia odor Odor threshold not determined. |
| pH: | N.D. |
| Melting Point: | N.D. |
| Boiling Point: | N.D. |
| Flash Pt: | N.D. Method Used: Setaflash Closed Cup (Rapid Setaflash) |
| Evaporation Rate: | > 1 (BuAC=1) |
| Flammability (solid, gas): | No data available. |
| 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): | 0.8505 |
| Density: | 7.077 LB/GL |
| Bulk density: | N.D. |
| Solubility in Water: | N.D. |
| Solubility Notes: | Appreciable |
| Saturated Vapor Concentration: | N.D. |
| Octanol/Water Partition Coefficient: | N.D. |
| Percent Volatile: | 96.1 % by weight. |
| VOC / Volume: | 46.0000 % WT |
| Autoignition Pt: | N.D. |
| Decomposition Temperature: | N.D. |
| Viscosity: | N.D. |
| Particle Size: | N.D. |
| Heat Value: | N.D. |
| Additional Physical Information | N.D. = Not Determined |

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10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Stable

Instability:

Incompatibility - Materials To Avoid: Bases, oxygen, sodium, potassium, strong oxidizers, reactive metals, strong acids

Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Will not occur.

Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Refer to section 2 for acute and chronic 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# 109-99-9:
 Other Studies:, TDLo, Oral, Rat, 26280. mg/kg.
 Result:
 Liver: Tumors.
 Kidney, Ureter, Bladder: Kidney tumors.
 - Toxicologist., Soc. of Toxicology, Inc., 475 Wolf Ledge Parkway, Akron, OH 44311, Vol/p/yr: 60,286, 2001

Chronic Toxicological Effects: This product has not been tested as a whole.

Carcinogenicity/Other Information: ACGIH A4 - Not Classifiable as a Human Carcinogen.

| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|------------|--|------|------|-------|------|
| 67-64-1 | Acetone {2-Propanone} | n.a. | n.a. | A4 | n.a. |
| 109-99-9 | Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane} | n.a. | n.a. | n.a. | n.a. |
| 7664-41-7 | Ammonia {Anhydrous Ammonia; R-717} | n.a. | n.a. | n.a. | n.a. |
| 929-06-6 | 2-(2-Aminoethoxy) ethanol | n.a. | n.a. | n.a. | n.a. |
| 64742-47-8 | Hydrotreated light distillate (petroleum, mineral spirits) | n.a. | n.a. | A4 | 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 all applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Paint related material, flammable, corrosive

DOT Hazard Class: 3 (8) FLAMMABLE LIQUID, CORROSIVE

UN/NA Number: UN3469

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) |
|------------|--|--------------|-------------|--------------|
| 67-64-1 | Acetone {2-Propanone} | No | Yes 5000 LB | No |
| 109-99-9 | Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane} | No | Yes 1000 LB | No |
| 7664-41-7 | Ammonia {Anhydrous Ammonia; R-717} | Yes 500 LB | Yes 100 LB | Yes |
| 929-06-6 | 2-(2-Aminoethoxy) ethanol | No | No | No |
| 64742-47-8 | Hydrotreated light distillate (petroleum, mineral spirits) | No | No | No |

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|------------|--|---------------------------------------|
| 67-64-1 | Acetone {2-Propanone} | TSCA: Inventory |
| 109-99-9 | Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane} | TSCA: Inventory, 8A PAIR |
| 7664-41-7 | Ammonia {Anhydrous Ammonia; R-717} | CWA NPDES TSCA: Inventory, 8A CAIR |
| 929-06-6 | 2-(2-Aminoethoxy) ethanol | TSCA: Inventory, 8A, 8A PAIR |
| 64742-47-8 | Hydrotreated light distillate (petroleum, mineral spirits) | TSCA: Inventory |

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.

SAFETY DATA SHEET
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16. OTHER INFORMATION

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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.