

# SAFETY DATA SHEET

## Aircraft Ultra Aerosol

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Printed: 10/04/2022

Revision: 10/04/2022

Supersedes Revision: 09/01/2022

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Aircraft Ultra Aerosol

**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:** EAR4000

### 2. HAZARDS IDENTIFICATION

Flammable Aerosols, Category 1  
Gas Under Pressure, Compressed gas  
Simple Asphyxiant  
Acute Toxicity: Inhalation, Category 4  
Skin Corrosion/Irritation, Category 1B  
Serious Eye Damage/Eye Irritation, Category 1  
Germ Cell Mutagenicity, Category 1B  
Carcinogenicity, Category 1B  
Specific Target Organ Toxicity (single exposure), Category 1  
Aquatic Toxicity (Acute), Category 2



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

**GHS Hazard Phrases:** H222 - Extremely flammable aerosol.  
H280 - Containers gas under pressure; may explode if heated.  
H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage.  
H332 - Harmful if inhaled.  
H340 - May cause genetic defects .  
H350 - May cause cancer .  
H370 - Causes damage to organs  
H401 - Toxic to aquatic life.  
HUS1 - May displace oxygen and cause rapid suffocation.

**GHS Precautionary Phrases:** P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P211 - Do not spray on an open flame or any other ignition source.  
P251 - Pressurized container: Do not pierce or burn, even after use.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P281 - Use personal protective equipment as required.

**GHS Response Phrases:** P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P307+311 - IF exposed: Call a POISON CENTER or doctor/physician.  
P308+313 - IF exposed or concerned: Get medical attention/advice.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P321 - Specific treatment see label.  
P363 - Wash contaminated clothing before reuse.

### GHS Storage and Disposal Phrases:

P405 - Store locked up.  
P410+403 - Protect from sunlight and store in well-ventilated place.  
P412 - Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 - 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
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}	60.0 -80.0 %
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	7.0 -15.0 %
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	1.0 -4.0 %
NA	Proprietary Ingredient	1.0 -5.0 %
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	1.0 -5.0 %
7664-41-7	Ammonia {Anhydrous Ammonia; R-717}	1.0 -5.0 %
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	0.1 -1.0 %
NA	Proprietary Ingredient	0.1 -1.0 %
NA	Proprietary Ingredient	0.1 -1.0 %
NA	Proprietary Ingredient	0.1 -1.0 %

### Additional Chemical Information

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

## 4. FIRST AID MEASURES

**Emergency and First Aid Procedures:**

**In Case of Inhalation:** If inhaled, remove to fresh air.

**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 water for at least 15 minutes while holding eyelids open. Get medical attention.

**In Case of Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel.

## 5. FIRE FIGHTING MEASURES

**Flammability Classification:** Level 3 Aerosol

**Flash Pt:** 6.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)

**Explosive Limits:** LEL: N.D. UEL: N.D.

**Autoignition Pt:** N.D.

**Suitable Extinguishing Media:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**Fire Fighting Instructions:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

**Flammable Properties and Hazards:** Vapor may travel considerable distance to source of ignition and flash back.

**Hazardous Combustion Products:** Carbon oxides, nitrogen oxides.

## 6. ACCIDENTAL RELEASE MEASURES

**Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. A source of clean water should be kept in the immediate work area for flushing of the eyes and skin.

**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
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}	ACGIH TLV  OSHA PELs	TLV: 50 ppm STEL: 100 ppm  PEL: 200 ppm	
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	ACGIH TLV  OSHA PELs	TLV: 200 ppm STEL: 250 ppm  PEL: 200 ppm	
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	ACGIH TLV  OSHA PELs	TLV: 100 ppm STEL: 150 ppm  PEL: 100 ppm	
7664-41-7	Ammonia {Anhydrous Ammonia; R-717}	ACGIH TLV  OSHA PELs	TLV: 25 ppm STEL: 35 ppm  PEL: 50 ppm	

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CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	ACGIH TLV	TLV: 20 ppm STEL: 125 ppm	
		OSHA PELs	PEL: 100 ppm	
NA	Proprietary Ingredient	ACGIH TLV	TLV: 200 mg/m3	
NA	Proprietary Ingredient	ACGIH TLV	TLV: 20 ppm	
		OSHA PELs	PEL: 20 ppm	
<b>Respiratory Equipment (Specify Type):</b>		When used by the consumer following directions for use and with adequate ventilation, respiratory protection should not be needed.		
<b>Eye Protection:</b>		Eye protection recommended.		
<b>Protective Gloves:</b>		Wear appropriate gloves to prevent skin exposure.		
<b>Other Protective Clothing:</b>		Wear appropriate protective clothing to prevent skin exposure.		
<b>Engineering Controls (Ventilation etc.):</b>		Use adequate ventilation to keep airborne concentrations low.		

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ X ] Gas    [ X ] Liquid    [ ] Solid
<b>Appearance and Odor:</b>	Clear white to straw colored viscous liquid. Ammonia odor. Odor threshold not determined.
<b>pH:</b>	10.9
<b>Melting Point:</b>	N.D.
<b>Boiling Point:</b>	> 37.70 C
<b>Flash Pt:</b>	6.00 F    Method Used:    Setaflash Closed Cup (Rapid Setaflash)
<b>Evaporation Rate:</b>	N.D.
<b>Flammability (solid, gas):</b>	EXTREMELY FLAMMABLE.
<b>Explosive Limits:</b>	LEL: N.D.            UEL: N.D.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	N.D.
<b>Vapor Density (vs. Air = 1):</b>	> 1 Air = 1
<b>Specific Gravity (Water = 1):</b>	0.8956
<b>Density:</b>	7.451 LB/GL
<b>Bulk density:</b>	N.D.
<b>Solubility in Water:</b>	Appreciable
<b>Saturated Vapor Concentration:</b>	N.D.
<b>Octanol/Water Partition Coefficient:</b>	N.D.
<b>Percent Volatile:</b>	95.79 % by weight.
<b>VOC / Volume:</b>	86.4600 % WT
<b>Autoignition Pt:</b>	N.D.
<b>Decomposition Temperature:</b>	N.D.
<b>Viscosity:</b>	1000 - 1500 CPS
<b>Particle Size:</b>	N.D.
<b>Heat Value:</b>	N.D.
<b>a_fld_hdr[9]:</b>	ND = Not Determined.

Flash point is for liquid contents.

Information with regard to primary physical hazard:

## 10. STABILITY AND REACTIVITY

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** \*\*None known.  
**Incompatibility - Materials To Avoid:** \*\*None known.  
**Hazardous Decomposition or Byproducts:**  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** \*\*None known.

## 11. TOXICOLOGICAL INFORMATION

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

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

CAS# NA:  
Acute toxicity, LD50, Oral, Rat, 20.00 GM/KG.  
Result:  
Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Olfaction:Other changes.  
Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation.  
Lungs, Thorax, or Respiration:Other changes.  
- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 45,362, 1978

CAS# 1330-20-7:  
Acute toxicity, LC50, Inhalation, Rat, 5000. PPM, 4 H.  
Result:  
Behavioral: Muscle contraction or spasticity.  
Lungs, Thorax, or Respiration:Other changes.  
- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,123, 1974

Standard Draize Test, Eyes, Species: Rabbit, 5.000 MG, 24 H, Severe.

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Result:  
 Behavioral: General anesthetic.  
 Behavioral: Somnolence (general depressed activity).  
 Behavioral: Irritability.  
 - "Sbornik Vysledku Toxilogickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,24, 1972

CAS# 100-41-4:  
 Tumorigenic Effects:, TClO, Inhalation, Rat, 750.0 ppm.  
 Result:  
 Tumorigenic: Carcinogenic by RTECS criteria.  
 Kidney, Ureter, Bladder: Tumors.

Standard Draize Test, Eyes, Species: Rabbit, 500.0 MG, Severe.  
 Result:  
 Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).  
 Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth).  
 Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).  
 - American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# NA:  
 Acute toxicity, LD50, Oral, Rat, 1378. MG/KG.  
 Result:  
 Behavioral: Somnolence (general depressed activity).  
 Behavioral: Ataxia.  
 Gastrointestinal:Hypermotility, diarrhea.  
 - Journal of the American College of Toxicology., Mary Ann Liebert, Inc., New York, NY, Vol/p/yr: 10(4),427, 1991

**Carcinogenicity/Other Information:**

ACGIH A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans. ACGIH A4 - Not Classifiable as a Human Carcinogen. IARC 2B - Possibly Carcinogenic to Humans. IARC 3: Not Classifiable as to Carcinogenicity in Humans.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}				
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}				
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}				
NA	Proprietary Ingredient				
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}		3	A4	
7664-41-7	Ammonia {Anhydrous Ammonia; R-717}				
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}		2B	A3	
NA	Proprietary Ingredient				
NA	Proprietary Ingredient		3	A4	
NA	Proprietary Ingredient				

## 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:** Aerosols, flammable, corrosive.  
**DOT Hazard Class:** 2.1(8) FLAMMABLE, CORROSIVE  
**UN/NA Number:** UN1950



**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Paint related material, flammable, corrosive.  
**UN Number:** UN1950  
**Hazard Class:** 2.1(8) - FLAMMABLE, CORROSIVE  
**TDG Classification:**

**Additional Transport Information:** The shipper / supplier may be able to apply one of the following exceptions if allowed under 49 CFR Regulations: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49 CFR Hazmat Regulations. Please consult 49 CFR 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)
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}	No	Yes NA	No
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No	No	No
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	No	Yes NA	Yes
NA	Proprietary Ingredient	No	No	No
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	No	Yes NA	Yes
7664-41-7	Ammonia {Anhydrous Ammonia; R-717}	Yes 500 LB	Yes NA	Yes
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	No	Yes NA	Yes
NA	Proprietary Ingredient	No	No	No
NA	Proprietary Ingredient	No	No	No
NA	Proprietary Ingredient	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}	TSCA: Inventory, 8A PAIR CA PROP.65: Yes: Canc.
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	TSCA: Inventory

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67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	CAA HAP,ODC: HAP: VHAP TSCA: Inventory CA PROP.65: Yes: RDTox.
NA	Proprietary Ingredient	TSCA: Inventory
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory
7664-41-7	Ammonia {Anhydrous Ammonia; R-717}	CWA NPDES TSCA: Inventory, 8A CAIR
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory CA PROP.65: Yes: Canc.
NA	Proprietary Ingredient	TSCA: Inventory
NA	Proprietary Ingredient	TSCA: Inventory
NA	Proprietary Ingredient	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.

## 16. OTHER INFORMATION

**Revision Date:** 10/04/2022 **Previous revision:** 09/01/2022  
**Preparer Name:** W.M. Barr EHS Dept (901)775-0100

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

### 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.