

SAFETY DATA SHEET

Aircraft Aerosol Non MeCl

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Revision: 05/19/2020
Supersedes Revision: 12/09/2019

This SDS complies with the Canadian Hazardous Products Regulations of 2015.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Aircraft Aerosol Non MeCl	
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/Varnish Remover	
Product Code:	EAR2000, EAR2000CN	

2. HAZARDS IDENTIFICATION

Flammable Aerosols, Category 1
Gas Under Pressure, Compressed gas
Simple Asphyxiant
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 3



GHS Signal Word: **Danger**

GHS Hazard Phrases: Extremely flammable aerosol.
Containers gas under pressure; may explode if heated.
Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause drowsiness or dizziness.
May cause genetic defects.
May cause cancer.
May displace oxygen and cause rapid suffocation.

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.
Do not spray on an open flame or any other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.

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	IF exposed or concerned: Get medical attention/advice. Immediately call a POISON CENTER or doctor/physician. Specific treatment see label. Wash contaminated clothing before reuse.
GHS Storage and Disposal Phrases:	Store container tightly closed in well-ventilated place. Store locked up. Protect from sunlight and store in well-ventilated place. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents/container according to local, state and federal regulations.
Potential Health Effects (Acute and Chronic):	Referenced above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}	15.0 -40.0 %
67-64-1	Acetone {2-Propanone}	30.0 -60.0 %
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	7.0 -13.0 %
7664-41-7	Ammonia {Anhydrous Ammonia; R-717}	0.5 -1.5 %
929-06-6	2-(2-Aminoethoxy) ethanol	0.1 -1.0 %

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

4. FIRST AID MEASURES

Emergency and First Aid Procedures:	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. 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. Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. 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.
Signs and Symptoms Of Exposure:	See Potential Health Effects.
Note to Physician:	

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5. FIRE FIGHTING MEASURES

	Level 3
Flash Pt:	-17.8 C (0.00 F) Method Used: Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: N.D. UEL: N.D.
Autoignition Pt:	N.D.
Suitable Extinguishing Media:	Use 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:	Carbon monoxide, carbon dioxide, hydrogen chloride, chlorine, phosgene

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. Small spills: Take up 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. Waste Disposal: Dispose in accordance with applicable local, state and federal regulations.
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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. Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited.
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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
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}	ACGIH TLV	TLV: 50 ppm STEL: 100 ppm	
		OSHA PELs	PEL: 200 ppm	
67-64-1	Acetone {2-Propanone}	ACGIH TLV	TLV: 500 ppm STEL: 750 ppm	
		OSHA PELs	PEL: 1000 ppm	
7664-41-7	Ammonia {Anhydrous Ammonia; R-717}	ACGIH TLV	TLV: 25 ppm STEL: 35 ppm	
		OSHA PELs	PEL: 50 ppm	

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.

Eye Protection:

A dust mask does not provide protection against vapors.

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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Work/Hygienic/Maintenance Practices:

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.

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

Physical States:	[X] Gas [X] Liquid [] Solid
Appearance and Odor:	Off-white opaque viscous liquid Aromatic with ammonia odor Odor threshold not determined
pH:	N.D.
Melting Point:	N.D.
Boiling Point:	N.D.
Flash Pt:	-17.8 C (0.00 F) Method Used: Setaflash Closed Cup (Rapid Setaflash)
Evaporation Rate:	N.D.
Flammability (solid, gas):	EXTREMELY FLAMMABLE.
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):	.8534
Density:	7.101 LB/GL
Solubility in Water:	N.D.
Octanol/Water Partition Coefficient:	N.D.
Percent Volatile:	95.68 % by weight.
VOC / Volume:	49.6000 % WT
Autoignition Pt:	N.D.
Decomposition Temperature:	N.D.
Viscosity:	N.D.
Additional Physical Information	Flash Point is for liquid contents.

10. STABILITY AND REACTIVITY

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	**None known.
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	Will occur [] Will not occur [X]

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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# 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# 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

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
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}	n.a.	n.a.	n.a.	n.a.
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	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.

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

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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:
UN Number: 1950
Hazard Class: 2.1(8) - FLAMMABLE, CORROSIVE
TDG Classification:

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)
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}	No	Yes 1000 LB	No
67-64-1	Acetone {2-Propanone}	No	Yes 5000 LB	No
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No	No	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
CAS #	Hazardous Components (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
109-99-9	Tetrahydrofuran {THF; Diethylene oxide; 1,4-Epoxybutane}	Yes: Part 5	No	Yes
67-64-1	Acetone {2-Propanone}	No	No	Yes
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No	Yes - 134.z.20	Yes
7664-41-7	Ammonia {Anhydrous Ammonia; R-717}	No	Yes - 53.	Yes
929-06-6	2-(2-Aminoethoxy) ethanol			Yes
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		
67-64-1	Acetone {2-Propanone}	TSCA: Inventory		
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	TSCA: Inventory		
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		

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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: 05/19/2020

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.