

Air Brake Anti Freeze & Dryer, 55 Gallon Drum

Revision: 06/17/2013

Supersedes Revision: 01/24/2012

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** C106
Product Name: Air Brake Anti Freeze & Dryer, 55 Gallon Drum
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- 1.3 Details of the Supplier of the Safety Data Sheet:**
Company Name: CYCLO INDUSTRIES, INC.
902 SOUTH US HIGHWAY 1
JUPITER, FL 33477
Phone Number: (800)843-7813
Web site address: www.cyclo.com
Information: First Aid Emergency (Outside U.S.) (312)906-6194
- 1.4 Emergency telephone number:**
Emergency Contact: First Aid Emergency (800)752-7869
CHEMTREC (703) 527-3887 (800)424-9300

Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**
2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:
Flammable Liquids, Category 2
Acute Toxicity: Inhalation, Category 3
Acute Toxicity: Oral, Category 3
Acute Toxicity: Skin, Category 3
Target Organ Systemic Toxicity (single exposure), Category 1
- 2.2 Label Elements:**
2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:


GHS Signal Word: Danger

GHS Hazard Phrases:

H225: Highly flammable liquid and vapor.

H320: Causes eye irritation.

H331: Toxic if inhaled.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H370: Causes damage to organs.

GHS Precaution Phrases:

P233: Keep container tightly closed.

P210: Keep away from heat/sparks/open flames/hot surfaces.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P243: Take precautionary measures against static discharge.

P242: Use only non-sparking tools.

P271: Use only outdoors or in a well-ventilated area.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P361+364: Take off immediately all contaminated clothing and wash it before reuse.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.



SAFETY DATA SHEET

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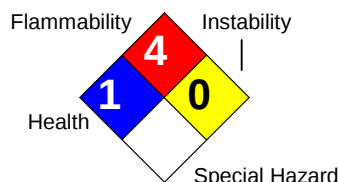
GHS Response Phrases:

P370+378: In case of fire, use alcohol foam, foam, dry chemical or carbon dioxide to extinguish.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+330+331: IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P307+311: IF exposed: Call a POISON CENTER or doctor/physician.

GHS Storage and Disposal Phrases:

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.
P203+233: Store container tightly closed in well-ventilated place.

Hazard Rating System:



2.3 Adverse Human Health Effects and Symptoms:

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
67-56-1	Methanol	95.0 -100.0 %	200-659-6 603-001-00-X	Flam. Liq. 2: H225 Acute Tox.(O) 3: H301 Acute Tox.(D) 3: H311 Acute Tox.(I) 3: H331 TOST (SE) 1: H370

Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing give artificial respiration preferably mouth-to-mouth. If breathing is difficult, give oxygen. In case of eye contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes. In case of skin contact, wash with soap and water. Remove contaminated clothing and shoes, and launder before reuse. Call physician immediately if adverse reaction occurs.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Alcohol foam, foam, dry chemical, carbon dioxide.
- 5.2 Flammable Properties and Hazards:** No data available.
- Flash Pt:** 52.00 F (11.1 C) Method Used: TAG Closed Cup
- Explosive Limits:** LEL: 6% UEL: 36%
- Autoignition Pt:** 475.00 F (246.1 C)
- 5.3 Fire Fighting Instructions:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Avoid water streams which may splash and spread flaming liquid. Water spray can be used to reduce the intensity of the flames and dilute spills to a non-flammable mixture. Vapor may cause flash fire. Methanol and water mixtures will burn unless very dilute. Mixtures with 25% or more Methanol are OSHA Class 1 Flammable Liquids.



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Section 6. Accidental Release Measures

- 6.3 Methods and Material For Containment and Cleaning Up:** Wear appropriate protective clothing and equipment to prevent skin and eye contact. Avoid breathing vapor. When airborne exposure limits are exceeded use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Remove sources of ignition. Increase area ventilation. Stop release at source. Dike area and contain. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials. Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Avoid breathing vapors. If exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Use only in a well ventilated area. Keep away from food and smoking materials. Wash hands before eating and smoking. Keep out of the reach of children.
- 7.2 Precautions To Be Taken in Storing:** Keep container closed when not in use. Keep away from heat and flame. Avoid extreme temperatures.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
67-56-1	Methanol	TWA: 266 mg/m3 (200 ppm) STEL: 333 mg/m3 (250 ppm)	TWA: 260 mg/m3 (200 ppm) STEL: 1300 mg/m3 (1000 ppm)	TWA: 260 mg/m3
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-56-1	Methanol	PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.

8.2 Exposure Controls:

- 8.2.1 Engineering Controls (Ventilation etc.):** Use local exhaust. Eyewash stations. Showers.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses with side shields.

Protective Gloves: Use chemical resistant gloves for prolonged skin contact.

Other Protective Clothing: No data available.

Respiratory Equipment (Specify Type): Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Organic vapor cartridge respirators NOT recommended for methanol vapor exposures.



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Section 9. Physical and Chemical Properties**9.1 Information on Basic Physical and Chemical Properties**

Physical States: ☐ Gas ☒ Liquid ☐ Solid
Appearance and Odor: Clear to light blue liquid. Mild alcohol odor.
pH: ~ 7
Melting Point: NE
Boiling Point: 148.00 F (64.4 C)
Flash Pt: 52.00 F (11.1 C) Method Used: TAG Closed Cup
Evaporation Rate: > 1
Explosive Limits: LEL: 6% UEL: 36%
Vapor Pressure (vs. Air or mm Hg): 135@25C
Vapor Density (vs. Air = 1): 1.11
Specific Gravity (Water = 1): .791@60F
Solubility in Water: Soluble
Autoignition Pt: 475.00 F (246.1 C)
Viscosity: NE

9.2 Other Information

Percent Volatile: > 98.0 %

Section 10. Stability and Reactivity

- 10.1 Reactivity:** No data available.
- 10.2 Stability:** Unstable ☐ Stable ☒
- 10.3 Conditions To Avoid - Hazardous Reactions:** No data available.
- Possibility of Hazardous Reactions:** Will occur ☐ Will not occur ☒
- 10.4 Conditions To Avoid - Instability:** Avoid any source of ignition.
- 10.5 Incompatibility - Materials To Avoid:** Strong oxidizing agents. Chromic anhydride, lead perchlorate and perchloric acids.
- 10.6 Hazardous Decomposition Or Byproducts:** Carbon monoxide. Carbon dioxide. Acrid smoke with irritating fumes.

Section 11. Toxicological Information

11.1 Information on Toxicological Effects: No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-56-1	Methanol	n.a.	n.a.	n.a.	n.a.

Section 12. Ecological Information

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Disposal should be made in accordance with federal, state and local regulations.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Methanol
 DOT Hazard Class: 3 FLAMMABLE LIQUID
 UN/NA Number: UN1230 Packing Group: II



14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name:
 UN Number: 1230 Packing Group: II
 Hazard Class: 3 - FLAMMABLE LIQUID

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Methanol
 UN Number: 1230 Packing Group: II
 Hazard Class: 3 - FLAMMABLE LIQUID IMDG Classification: 3,6.1
 Marine Pollutant: No

Section 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)
67-56-1	Methanol	No	Yes 5000 LB	Yes

CAS #	Hazardous Components (Chemical Name)
67-56-1	Methanol

Other US EPA or State Lists

CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Inventory;
 CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA
 Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ
 EHS: Yes - 1222; NY Part 597: Yes; PA HSL: Yes - E; SC
 TAP: Yes; WI Air: Yes

CAS #	Hazardous Components (Chemical Name)
67-56-1	Methanol

International Regulatory Lists

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

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Section 16. Other Information**Revision Date:** 06/17/2013**Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**

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