

**Brake & Parts Clean Methanol Formula, 55  
Gallon Drum**

Revision: 12/14/2016

Supersedes Revision: 05/06/2015

**1. Product and Company Identification**

**Product Code:** C102C

**Product Name:** Brake & Parts Clean Methanol Formula, 55 Gallon Drum

**Company Name:** CYCLO INDUSTRIES, INC. **Phone Number:**  
902 SOUTH US HIGHWAY 1 (800)843-7813  
JUPITER, FL 33477

**Web site address:** www.cyclo.com

**Email address:** ehs@cyclo.com

**Emergency Contact:** First Aid Emergency (800)752-7869  
CHEMTREC (703) 527-3887 (800)424-9300

**Information:** First Aid Emergency (Outside U.S.) (312)906-6194

**2. Hazards Identification**

**Flammable Liquids, Category 2**

**Acute Toxicity: Inhalation, Category 3**

**Acute Toxicity: Oral, Category 3**

**Acute Toxicity: Skin, Category 3**

**Skin Corrosion/Irritation, Category 2**

**Serious Eye Damage/Eye Irritation, Category 2A**

**Toxic To Reproduction, Category 2**

**Specific Target Organ Toxicity (single exposure), Category 1**

**Specific Target Organ Toxicity (repeated exposure), Category 2**

**Aspiration Toxicity, Category 1**

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

**GHS Hazard Phrases:** H225: Highly flammable liquid and vapor.  
H331: Toxic if inhaled.  
H301: Toxic if swallowed.  
H311: Toxic in contact with skin.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H361: Suspected of damaging fertility or the unborn child.  
H370: Causes damage to organs.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H304: May be fatal if swallowed and enters airways.

**GHS Precaution Phrases:** P233: Keep container tightly closed.  
P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.  
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.  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.

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P281: Use personal protective equipment as required.

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

**GHS Response Phrases:**

P370+378: In case of fire, use dry chemical, carbon dioxide, alcohol foam or water to extinguish.

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

**GHS Storage and Disposal Phrases:**

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

P403+233: Store container tightly closed in well-ventilated place.

**Potential Health Effects (Acute and Chronic):**

No data available.

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration
67-64-1	Acetone	50.0 -60.0 %
108-88-3	Toluene	20.0 -30.0 %
67-56-1	Methanol	20.0 -30.0 %

**4. First Aid Measures****Emergency and First Aid Procedures:**

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. If in eyes, rinse cautiously with water for several minutes, Remove contact lenses, if present and easy to do. Continue rinsing. In case of skin contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and launder before reuse. Call physician immediately if adverse reaction occurs.

**5. Fire Fighting Measures****Flammability Classification:** NFPA Level 3 Aerosol**Flash Pt:** -4.00 F (-20.0 C) Method Used: TAG Closed Cup**Explosive Limits:** LEL: 1.2 UEL: .17**Autoignition Pt:** 725.00 F (385.0 C)**Suitable Extinguishing Media:** Dry chemical, carbon dioxide, alcohol foam, water. Use water spray to keep containers cool that are exposed to heat or flame.**Fire Fighting Instructions:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Vapor may cause flash fire.**Flammable Properties and Hazards:** No data available.**Hazardous Combustion Products:** Carbon dioxide. Carbon monoxide. Formaldehyde.**Products:**

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**6. Accidental Release Measures**

**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters. Keep out of lakes, ponds or streams.

**Steps To Be Taken In Case Material Is Released Or Spilled:** Wear appropriate protective clothing and equipment to prevent skin and eye contact. Contain any liquid from leaking containers. Avoid all sources of ignition; heat, sparks and open flames. Do not puncture or incinerate container. Leaking containers should be removed to an isolated, well-ventilated area and transferred to other suitable containers. Wipe, scrape or soak up in an inert material and put in a container intended for flammable materials for disposal. Persons not trained should evacuate area.

**7. Handling and Storage**

**Precautions To Be Taken in Handling:** Keep away from heat/sparks/open flames/hot surfaces - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours/spray. Keep out of the reach of children.

**Precautions To Be Taken in Storing:** Keep container tightly closed. Do not puncture, incinerate or store above 120 degrees F.

**8. Exposure Controls/Personal Protection**

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-64-1	Acetone	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
108-88-3	Toluene	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 50 ppm	No data.
67-56-1	Methanol	PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.

**Respiratory Equipment (Specify Type):** Do not breathe mist or vapor. Use in a well ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

**Eye Protection:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Protective Gloves:** Avoid skin contact. Wear protective gloves.

**Other Protective Clothing:** Avoid skin contact. Wear protective clothing.

**Engineering Controls (Ventilation etc.):** Use in a well ventilated area. Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

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**9. Physical and Chemical Properties**

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Colorless to paly yellow liquid with mild odor.
<b>pH:</b>	No data.
<b>Melting Point:</b>	< -110.00 F (-78.9 C)
<b>Boiling Point:</b>	133.00 F (56.1 C)
<b>Flash Pt:</b>	-4.00 F (-20.0 C) Method Used: TAG Closed Cup
<b>Evaporation Rate:</b>	No data.
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive Limits:</b>	LEL: 1.2 UEL: .17
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	~ 2.0
<b>Specific Gravity (Water = 1):</b>	.86 at 68.0 F (20.0 C)
<b>Solubility in Water:</b>	64%
<b>Octanol/Water Partition Coefficient:</b>	No data.
<b>Percent Volatile:</b>	44.9 %
<b>Autoignition Pt:</b>	725.00 F (385.0 C)
<b>Decomposition Temperature:</b>	No data.
<b>Viscosity:</b>	No data.

**10. Stability and Reactivity**

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Keep away from heat, sparks and flame. Avoid any source of ignition. Do not expose to heat or store at temperatures above 120 degrees F.
<b>Incompatibility - Materials To Avoid:</b>	Nitric acid. Iodine. Chlorine compounds. Alkalies. Potassium t-butoxide. Strong oxidizers. Certain reactive metals, hydrides, moist cesium monoxide, or lithium acetylene carbide diamino may ignite. Phosphorous Trioxide. Chromic Anhydride. Lead Perchlorate. Perchloric Acid and Ethyl Alcohol. Mercuric Oxide and Ethyl Alcohol. Sodium or Potassium Hydroxide and Chloroform. Sulfuric Acid. Passing carbon dioxide over a mixture of sodium peroxide and aluminum or magnesium may explode.
<b>Hazardous Decomposition or Byproducts:</b>	Carbon dioxide, carbon monoxide, formaldehyde, formic acid.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

## 11. Toxicological Information

<b>Toxicological Information:</b>	Component	Route	Species	Dose
	Acetone 67-64-1	Inhalation	Rats	LC50 50100 mg/m3/8H
	Methanol 67-56-1	Inhalation	Rats	LC50 64,000 ppm
	Toluene	Inhalation	Rats	LC50 49 gm.m3/4H

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone	n.a.	n.a.	A4	n.a.
108-88-3	Toluene	n.a.	3	A4	n.a.
67-56-1	Methanol	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

No data available.

## 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents/container in accordance with local/regional/national/international regulation.

## 14. Transport Information

### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Flammable Liquid, n.o.s. (Acetone, Methanol, Toluene)  
**DOT Hazard Class:** 3 FLAMMABLE LIQUID  
**UN/NA Number:** UN1993 **Packing Group:** II



### LAND TRANSPORT (European ADR/RID):

**ADR/RID Shipping Name:** Flammable Liquid, Toxic, n.o.s. (Acetone, Methanol, Toluene)  
 3 (6.1)  
**UN Number:** 1992 **Packing Group:** II  
**Hazard Class:** 3 - FLAMMABLE LIQUID **ADR Classification:** 3,6.1

### MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** Flammable Liquid, Toxic, n.o.s. (Acetone, Methanol, Toluene)  
 3 (6.1)  
**UN Number:** 1992 **Packing Group:** II  
**Hazard Class:** 3 - FLAMMABLE LIQUID  
**IMDG MFAG Number:**  
**IMDG EMS Page:** **Marine Pollutant:** No

## 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	No	Yes 5000 LB	No
108-88-3	Toluene	No	Yes 1000 LB	Yes
67-56-1	Methanol	No	Yes 5000 LB	Yes



# SAFETY DATA SHEET

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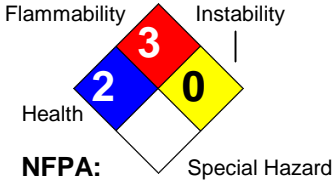
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CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-64-1	Acetone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: No; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: Yes
108-88-3	Toluene	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory, 8A CAIR; CA PROP.65: Yes; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: CMR, Part 5; NC TAP: Yes; NJ EHS: Yes - 1866; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
67-56-1	Methanol	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - 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)	International Regulatory Lists
67-64-1	Acetone	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
108-88-3	Toluene	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
67-56-1	Methanol	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

### 16. Other Information

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Hazard Rating System:



Additional Information About This Product: Not for sale in CA, UT, DE, NH.

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