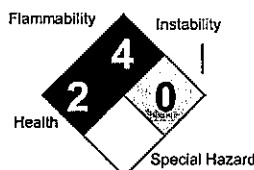




# MATERIAL SAFETY DATA SHEET

## Brake & Parts Clean, Non-Chlorinated

CYCLO INDUSTRIES, INC.  
902 SOUTH US HIGHWAY 1  
JUPITER, FL 33477



Revision: 01/27/2012  
Supersedes Revision: 02/18/2010  
Date Created: 02/18/2010

### 1. Product and Company Identification

**Product Code:** C-111C

**Product Name:** Brake & Parts Clean, Non-Chlorinated

**Manufacturer Information**

**Company Name:** CYCLO INDUSTRIES, INC.

**Phone Number:** (800)843-7813

**Fax Number:** (561)745-3867

**Emergency Contact:** First Aid Emergency (800)222-1222

**Alternate Emergency Contact:** Chemtrec (703) 527-3887 (800)424-9300

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

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

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

### 2. Hazards Identification

#### Emergency Overview

**DANGER:** Extremely flammable. Harmful if absorbed through the skin. Flash fire hazard. Vapor may cause flash fire. Harmful or fatal if swallowed. Vapor harmful. Eye, skin & respiratory irritant.

#### Potential Health Effects (Acute and Chronic)

**Inhalation Health Risks & Symptoms of Exposure:** Respiratory irritation, headache, nausea, drowsiness, impaired coordination, possible unconsciousness. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Skin and Eye Contact Health Risks & Symptoms of Exposure:** Contact may dry the skin; prolonged contact may cause irritation. Liquid or vapor can cause severe eye irritation, redness, tearing and blurred vision; prolonged exposure may lead to corneal damage.

**Skin Absorption Health Risks & Symptoms of Exposure:** May be absorbed. Solvent action can dry & defat the skin causing the skin to crack, leading to dermatitis.

**Ingestion Health Risks & Symptoms of Exposure:** Can cause gastro-intestinal irritation, vomiting, diarrhea and death.

#### Signs and Symptoms Of Exposure

No data available.

#### Medical Conditions Generally Aggravated By Exposure

Acute & chronic liver & kidney disease, anemia.

### 3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Acetone	67-64-1	40.0 -50.0 %
2. Toluene	108-88-3	20.0 -30.0 %
3. Heptane	142-82-5	10.0 -20.0 %



# MATERIAL SAFETY DATA SHEET

## Brake & Parts Clean, Non-Chlorinated

Page: 2

Revision: 01/27/2012

Supersedes Revision: 02/18/2010

Hazardous Components (Chemical Name)

CAS # Concentration

4. Carbon dioxide

124-38-9 5.0 -15.0 %

### 4. First Aid Measures

#### Emergency and First Aid Procedures

If ingested, seek medical attention immediately. Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Do not leave individual unattended. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Wash skin with soap and water. Remove contaminated clothing and shoes, and launder before reuse. Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Call physician immediately if adverse reaction occurs.

### 5. Fire Fighting Measures

**Flammability Classification:** NFPA Level 2 Aerosol  
**Flash Pt:** 1.00 F (-17.2 C) Method Used: TAG Closed Cup  
**Explosive Limits:** LEL: 1.2 UEL: 13  
**Autoignition Pt:** No data available.

#### Fire Fighting Instructions

Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Vapor may cause flash fire.

#### Flammable Properties and Hazards

Water may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited.

#### Hazardous Combustion Products

Carbon dioxide, carbon monoxide, formaldehyde.

#### Suitable Extinguishing Media

Foam, alcohol foam, carbon dioxide, dry chemical, water fog.

#### Unsuitable Extinguishing Media

No data available.

### 6. Accidental Release Measures

#### 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. Remove sources of ignition. Increase area ventilation. Sweep or gather up material and place in proper container for disposal or recovery. Do not puncture or incinerate container. Contents under pressure. Clean up using dry procedures; avoid dusting. Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

### 7. Handling and Storage

#### Precautions To Be Taken in Handling

Use only in a well ventilated area. Danger: extremely flammable. Caution: contents under pressure. Keep away from heat and open flame. Do not puncture or incinerate. Keep out of the reach of children.

#### Precautions To Be Taken in Storing

Do not store above 120 degrees F. Do not store in passenger compartment of automobile.



# MATERIAL SAFETY DATA SHEET

## Brake & Parts Clean, Non-Chlorinated

Page: 3

Revision: 01/27/2012

Supercedes Revision: 02/18/2010

### 8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA TWA	ACGIH TWA	Other Limits
1. Acetone	67-64-1	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
2. Toluene	108-88-3	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 50 ppm	No data.
3. Heptane	142-82-5	PEL: 500 ppm	TLV: 400 ppm	No data.
4. Carbon dioxide	124-38-9	PEL: 5000 ppm	TLV: 5000 ppm STEL: 30,000 ppm	No data.

#### Respiratory Equipment (Specify Type)

Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure self contained breathing apparatus.

#### Eye Protection

Wear safety glasses or goggles to protect against exposure.

#### Protective Gloves

Use chemical resistant gloves for prolonged skin contact.

#### Other Protective Clothing

Rubber apron.

#### Engineering Controls (Ventilation etc.)

Exhaust ventilation. Showers. Eyewash stations.

#### Work/Hygienic/Maintenance Practices

No data available.

### 9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
Melting Point:	No data.		
Boiling Point:	133.00 F (56.1 C) - 231.00 F (110.6 C)		
Autoignition Pt:	No data.		
Flash Pt:	1.00 F (-17.2 C) Method Used: TAG Closed Cup		
Explosive Limits:	LEL: 1.2	UEL: 13	
Specific Gravity (Water = 1):	.80		
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	No data.		
Evaporation Rate (vs Butyl Acetate=1):	No data.		
Solubility in Water:	Slight		
Percent Volatile:	44.2 % by weight.		
Appearance and Odor	Clear, colorless spray/mist. Typical solvent odor.		

### 10. Stability and Reactivity

Stability: Unstable  Stable

#### Conditions To Avoid - Instability

Keep away from heat, sparks and flame. Temperature over 120 degrees F.

#### Incompatibility - Materials To Avoid

Strong acids. Strong oxidizing agents.



**MATERIAL SAFETY DATA SHEET**  
**Brake & Parts Clean, Non-Chlorinated**

**Hazardous Decomposition Or Byproducts**

Carbon monoxide. Carbon dioxide.

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

**Conditions To Avoid - Hazardous Reactions**

No data available.

**11. Toxicological Information**

No data available.

**Chronic Toxicological Effects**

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Acetone	67-64-1	n.a.	n.a.	A4	n.a.
2. Toluene	108-88-3	n.a.	n.a.	A4	n.a.
3. Heptane	142-82-5	n.a.	n.a.	n.a.	n.a.
4. Carbon dioxide	124-38-9	n.a.	n.a.	n.a.	n.a.

**12. Ecological Information**

No data available.

**13. Disposal Considerations**

**Waste Disposal Method**

Disposal should be made in accordance with federal, state and local regulations.

**14. Transport Information**

**LAND TRANSPORT (US DOT)**

DOT Proper Shipping Name: Consumer Commodity

DOT Hazard Class: ORM-D

DOT Hazard Label: ORM-D

**AIR TRANSPORT (ICAO/IATA)**

ICAO/IATA Shipping Name: Aerosols, flammable, 2.1, Ltd Qty

(Packing Instruction Y203 Applies)

UN Number: 1950

Hazard Class: N.A.

IATA Classification: 2.1

**MARINE TRANSPORT (IMDG/IMO)**

IMDG/IMO Shipping Name: Aerosols, Ltd. Qty.

UN Number: 1950

Hazard Class: N.A.

IMDG Classification: 2.1

Marine Pollutant: No

**Additional Transport Information**

No data available.

**15. Regulatory Information**

**US EPA SARA Title III**

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Acetone	67-64-1	No	Yes 5000 LB	No	Yes



# MATERIAL SAFETY DATA SHEET

## Brake & Parts Clean, Non-Chlorinated

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
2. Toluene	108-88-3	No	Yes 1000 LB	Yes	Yes
3. Heptane	142-82-5	No	No	No	No
4. Carbon dioxide	124-38-9	No	No	No	No

### Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP,ODC	CWA NPDES	TSCA	CA PROP.65
1. Acetone	67-64-1	No	No	Inventory	No
2. Toluene	108-88-3	HAP	Yes	Inventory, 8A CAIR	Yes
3. Heptane	142-82-5	No	No	Inventory, 8A PAIR	No
4. Carbon dioxide	124-38-9	No	No	Inventory	No

Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Acetone	67-64-1	Title 8	Yes	Part 5	No
2. Toluene	108-88-3	TAC, Title 8	Yes	CMR, Part 5	Yes
3. Heptane	142-82-5	Title 8	Yes	No	No
4. Carbon dioxide	124-38-9	Title 8	Yes	No	No

Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Acetone	67-64-1	Yes - 0006	Yes	Yes - E	No
2. Toluene	108-88-3	Yes - 1866	Yes	Yes - E	Yes
3. Heptane	142-82-5	Yes - 1339	No	Yes - 1	No
4. Carbon dioxide	124-38-9	Yes - 0343	No	Yes - 1	No

Hazardous Components (Chemical Name)	CAS #	WI Air
1. Acetone	67-64-1	Yes
2. Toluene	108-88-3	Yes
3. Heptane	142-82-5	No
4. Carbon dioxide	124-38-9	Yes

### International Regulatory Lists

Hazardous Components (Chemical Name)	CAS #	Canadian DSL	Canadian NDSL	Taiwan TCSCA
1. Acetone	67-64-1	Yes	No	No
2. Toluene	108-88-3	Yes	No	No
3. Heptane	142-82-5	Yes	No	No
4. Carbon dioxide	124-38-9	Yes	No	No

### SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

- Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. \* indicates 10000 LB TPQ if not volatile.
- Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. \*\* indicates statutory RQ.
- Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
- Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

### TSCA (Toxic Substances Control Act) Lists:

- Inventory:** Chemical Listed in the TSCA Inventory.
- 5A(2):** Chemical Subject to Significant New Rules (SNURS)
- 6A:** Commercial Chemical Control Rules
- 8A:** Toxic Substances Subject To Information Rules on Production
- 8A CAIR:** Comprehensive Assessment Information Rules - (CAIR)
- 8A PAIR:** Preliminary Assessment Information Rules - (PAIR)



# MATERIAL SAFETY DATA SHEET

## Brake & Parts Clean, Non-Chlorinated

Page: 6

Revision: 01/27/2012

Supercedes Revision: 02/18/2010

8C:	Records of Allegations of Significant Adverse Reactions
8D:	Health and Safety Data Reporting Rules
8D TERM:	Health and Safety Data Reporting Rule Terminations
12(b):	Notice of Export

### Other Important Lists:

CWA NPDES:	EPA Clean Water Act NPDES Permit Chemical
CAA HAP:	EPA Clean Air Act Hazardous Air Pollutant
CAA ODC:	EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)
CA PROP 65:	California Proposition 65
CA TAC:	California AB 1807 - Toxic Air Contaminants
CA Title 8:	California Hazardous Substances List: Title 8, Sec. 339
MI CMR:	Michigan Critical Materials Register
MI Part 5:	Michigan DEQ WRP Part 5 Pollutants List
NC TAP:	North Carolina Toxic Air Pollutants
NJ EHS:	New Jersey Environmental Hazardous Substances List
NY Part 597:	New York Part 597 List of Hazardous Substances
PA HSL:	Pennsylvania Hazardous Substances List
SC TAP:	South Carolina Toxic Air Pollutants
WI Air:	Wisconsin Reportable Air Contaminants

### International Regulatory Lists:

Canadian DSL:	Canada Domestic Substances List
Canadian NDSL:	Canada Non-Domestic Substances List
Taiwan TCSCA:	Taiwan Toxic Chemical Substances Control Act of 1986

## 16. Other Information

Not for sale in CA.

### Company Policy or Disclaimer

Cyclo Industries, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. Cyclo Industries, Inc. makes no representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Cyclo Industries, Inc. will not be responsible for damages resulting from use of or reliance upon this information.