

## 1. Product and Company Identification

**Product Code:** C32  
**Product Name:** Brake & Parts Clean  
**Company Name:** CYCLO INDUSTRIES, INC.  
902 SOUTH US HIGHWAY 1  
JUPITER, FL 33477  
**Phone Number:** (800)843-7813

**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

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

**Carcinogenicity, Category 2**

**Toxic To Reproduction, Category 1B**

**Specific Target Organ Toxicity (single exposure), Category 3**

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



**GHS Signal Word:**

**Danger**

**GHS Hazard Phrases:**

H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H229: Pressurized container: may burst if heated.  
H351: Suspected of causing cancer.  
H360: May damage fertility or the unborn child.  
H335: May cause respiratory irritation.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.  
H280: Contents under pressure. May explode if heated.

**GHS Precaution Phrases:**

P264: Wash hands thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P273: Avoid release to the environment.

**GHS Response Phrases:**

P370+378: In case of fire, use extinguishing media appropriate for surrounding fire.  
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** No data available.

**(Acute and Chronic):**

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
127-18-4	Tetrachloroethylene	85.0 -100.0 %
106-94-5	1-Bromopropane	0.5 -1.0 %
124-38-9	Carbon dioxide	0.0 -15.0 %

### 4. First Aid Measures

**Emergency and First Aid Procedures:** If swallowed, rinse mouth/ Do not induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person. Call a physician immediately. If inhaled, remove to fresh air. If not breathing give artificial respiration. 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, remove contaminated clothing and shoes and launder before reuse. Wash with soap and water for 15 minutes. Call physician immediately if adverse reaction occurs.

### 5. Fire Fighting Measures

**Flash Pt:** No data.

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire. Use water spray to keep containers cool that are exposed to heat or flames.

**Fire Fighting Instructions:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Avoid skin contact.

**Flammable Properties and Hazards:** No data available.

**Hazardous Combustion Products:** Hydrogen chloride, phosgene, chlorine.

### 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Wear appropriate protective clothing and equipment to prevent skin contact. Avoid breathing vapor. When airborne exposure limits are exceeded use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Contain any liquid from leaking containers. Ventilate spill area. Soak up material with absorbent and place in chemical waste container. Leaking containers should be removed to an isolated, well ventilated area and transferred to other suitable containers. Do not puncture or incinerate container. Contents under pressure. Do not allow to enter sanitary drains, sewer or surface and subsurface waters. Keep out of lakes, ponds or streams.

### 7. Handling and Storage

**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. Caution: contents under pressure. Keep away from heat and open flame. Do not puncture or incinerate. This material or its vapors in contact with flames or hot glowing surfaces may form corrosive acid fumes. Keep away from children.

**Precautions To Be Taken in Storing:** Do not store above 120 degrees F. Exposure to high temperatures may cause bursting. Do not store in the passenger compartment of an automobile.



## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
127-18-4	Tetrachloroethylene	PEL: 100 ppm STEL: 300 ppm/(5min/3hr) CEIL: 200 ppm	TLV: 25 ppm STEL: 100 ppm	No data.
106-94-5	1-Bromopropane	No data.	No data.	No data.
124-38-9	Carbon dioxide	PEL: 5000 ppm	TLV: 5000 ppm STEL: 30,000 ppm	No data.

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

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

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

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

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

## 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Clear, colorless liquid. Faint sweet odor.

**pH:** NE

**Melting Point:** NE

**Boiling Point:** 250.00 F (121.1 C)

**Flash Pt:** No data.

**Evaporation Rate:** .15

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**Vapor Pressure (vs. Air or mm Hg):** 13mmHg@20C

**Vapor Density (vs. Air = 1):** 4.1

**Specific Gravity (Water = 1):** 1.62@25/25C

**Solubility in Water:** < 1%

**Octanol/Water Partition Coefficient:** No data.

**Percent Volatile:** 1.0 % by weight.

**Autoignition Pt:** No data.

**Decomposition Temperature:** No data.

**Viscosity:** NE



## 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ ]    Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Do not expose to heat or store at temperatures above 120 degrees F. Avoid contact with open flame, electric arcs or other hot surfaces that could cause thermal decomposition.
<b>Incompatibility - Materials To Avoid:</b>	Contact with oxidizing agents, sulfuric acid, nitric acid, chlorine compounds, strong acids, chloroform, alkalis, potassium t-butoxide, strong bases.
<b>Hazardous Decomposition or Byproducts:</b>	Carbon monoxide. The thermal decomposition products of this material are categorized as very toxic by the University of Pittsburgh toxicity of combustion products test method.
<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>	Perchloroethylene (127-18-4) Route: Inhalation Species: Rats Dose: LC50 34200 mg/m3/8H
	n-Propyl bromide (106-94-5 ) Route: Inhalation Species: Rats Dose: 253 gm/m3/30M
	Carbon Dioxide (124-38-9) Route: NA Species: NA Dose: Not known
	Carcinogenicity
	Perchloroethylene (127-18-4) IARC: Group 2A (Probable carcinogenic to humans) NTP: :Listed - Suspect Carcinogen OSHA: Possible Select Carcinogens
	n-Propyl bromide (106-94-5) IARC: Not Listed NTP: Assigned to Laboratory for Toxicology/Carcinogenesis Study OSHA: Not Listed
	Carbon Dioxide (124-38-9) IARC: Not Listed NTP: Not Listed OSHA: Not Listed



# SAFETY DATA SHEET

## Brake & Parts Clean

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
127-18-4	Tetrachloroethylene	Possible	2A	A3	n.a.
106-94-5	1-Bromopropane	Possible	n.a.	n.a.	n.a.
124-38-9	Carbon dioxide	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:** Ltd Qty

**DOT Hazard Class:**

**UN/NA Number:**

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

**ADR/RID Shipping Name:** Aerosols (Tetrachloroethylene), 2.2 (6.1)

**UN Number:** 1950

**Hazard Class:**

**ADR Classification:**

2.2

#### MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** Aerosols (Tetrachloroethylene), 2.2 (6.1)

**UN Number:** 1950

**Hazard Class:**

**Packing Group:**

**IMDG Classification:**

2.2

**IMDG MFAG Number:**

**IMDG EMS Page:**

**Marine Pollutant:**

No

#### AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** Aerosols, non-flammable, containing substances in Division 6.1, Packing Group III  
2.2 (6.1)

**UN Number:** 1950

**Hazard Class:**

**IATA Classification:**

2.2,6.1

### 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)
127-18-4	Tetrachloroethylene	No	Yes 100 LB	Yes
106-94-5	1-Bromopropane	No	No	No
124-38-9	Carbon dioxide	No	No	No

#### CAS # Hazardous Components (Chemical Name)

#### Other US EPA or State Lists

127-18-4 Tetrachloroethylene

CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory, 8A CAIR, 12(b); 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 - 1810; NY Part 597: Yes; PA HSL: Yes - B; SC TAP: Yes; WI Air: Yes

106-94-5 1-Bromopropane

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: Yes; CA TAC, Title 8: No; MA



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## Brake & Parts Clean

Revision: 05/08/2017

Supersedes Revision: 01/14/2016

Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 4198; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No

124-38-9 Carbon dioxide

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes

**CAS # Hazardous Components (Chemical Name)**

127-18-4 Tetrachloroethylene

106-94-5 1-Bromopropane

124-38-9 Carbon dioxide

**International Regulatory Lists**

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: 063-01 (1,2)

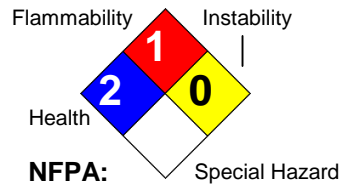
Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes

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

### 16. Other Information

**Revision Date:** 05/08/2017

**Hazard Rating System:**



**Additional Information About This Product:** Not for sale in CA, NJ.

**Company Policy or Disclaimer:**

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