

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:** C85
Product Name: Energized Circuit & Contact Cleaner
- 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]:**
Serious Eye Damage/Eye Irritation, Category 2A
Carcinogenicity, Category 2
Toxic To Reproduction, Category 1B
Target Organ Systemic Toxicity (single exposure), Category 3
Target Organ Systemic Toxicity (repeated exposure), Category 2
Aquatic Toxicity (Chronic), Category 2
- 2.1.2 Classification according to Directive 1999/45/EC:**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**



Warning Danger

GHS Hazard Phrases:

H315: Causes skin irritation.
H319: Causes serious eye irritation.
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.

GHS Precaution Phrases:

P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
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:

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists, get medical advice/attention.

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P308+313: IF exposed or concerned: Get medical attention/advice.

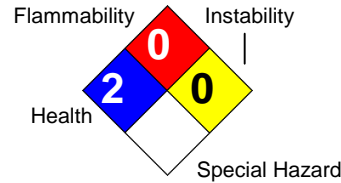
P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

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

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.

2.2.2 Labeling according to Directive 1999/45/EC:**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.	Risk Phrases/ GHS Classification
127-18-4	Tetrachloroethylene	85.0 -100.0 %	204-825-9 602-028-00-4	Xn; N; R40-51/53 Carcinogen 2: H351 Aquatic (C) 2: H411
124-38-9	Carbon dioxide	0.0 -15.0 %	204-696-9 NA	No phrases apply. No data available.

Section 4. First Aid Measures

- 4.1 Description of First Aid Measures:** 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. 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 for 15 minutes. 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:** Use extinguishing media appropriate for surrounding fire. Use water spray to keep containers cool that are exposed to heat or flames.
- 5.2 Flammable Properties and Hazards:** No data available.
- Flammability Classification:** NFPA Level 1 Aerosol
- Flash Pt:** NP Method Used: TAG Closed Cup
- Explosive Limits:** LEL: N.D. UEL: N.D.
- Autoignition Pt:** No data.
- 5.3 Fire Fighting Instructions:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Avoid skin contact.



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. 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 allow to enter sanitary drains, sewer or surface and subsurface waters. Keep out of lakes, ponds or streams.

Section 7. Handling and Storage

7.1 Precautions To Be Taken in Handling: Caution: contents under pressure. Use only in a well ventilated area. Avoid breathing vapors. If exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Keep out of the reach of children.

7.2 Precautions To Be Taken in Storing: Do not puncture, incinerate or store above 120 degrees F. Exposure to high temperatures may cause bursting. Do not store in the passenger compartment of an automobile. Keep away from heat and open flame. This material or its vapors in contact with flames or hot glowing surfaces may form corrosive acid fumes.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
127-18-4	Tetrachloroethylene	TWA: 345 mg/m3 (50 ppm) STEL: 689 mg/m3 (100 ppm)	TWA: 335 mg/m3 (50 ppm)	No data.
124-38-9	Carbon dioxide	TWA: 9150 mg/m3 (5000 ppm) STEL: 27400 mg/m3 (15000 ppm)	TWA: 9000 mg/m3 (5000 ppm)	TWA: 9000 mg/m3

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.
124-38-9	Carbon dioxide	PEL: 5000 ppm	TLV: 5000 ppm STEL: 30,000 ppm	No data.

8.2 Exposure Controls:

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

8.2.2 Personal protection equipment:

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.

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.



Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid
Appearance and Odor: Clear, colorless liquid. Faint sweet odor.
Melting Point: No data.
Boiling Point: 250.00 F (121.1 C)
Flash Pt: NP Method Used: TAG Closed Cup
Evaporation Rate: No data.
Explosive Limits: LEL: N.D. UEL: N.D.
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: > 65%
Autoignition Pt: No data.

9.2 Other Information

Percent Volatile: No data.

Section 10. Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Stability: Unstable [] Stable [X]

10.3 Conditions To Avoid - No data available.

Hazardous Reactions:

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

10.4 Conditions To Avoid - 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.
Instability:

10.5 Incompatibility - Nitric acid. Sulfuric acid. Strong acids. Contact with oxidizing agents. Chlorine
Materials To Avoid: compounds. Chloroform. Alkalis. Potassium t-butoxide. Strong bases.

10.6 Hazardous Carbon monoxide. The thermal decomposition products of this material are categorized
Decomposition Or as very toxic by the University of Pittsburgh toxicity of combustion products test method.
Byproducts:



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Section 11. Toxicological Information

11.1 Information on Toxicological Effects: No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
127-18-4	Tetrachloroethylene	Possible	2A	A3	n.a.
124-38-9	Carbon dioxide	n.a.	n.a.	n.a.	n.a.

Section 12. Ecological Information

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Residues and spilled material are hazardous waste due to ignitability. 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: Consumer Commodity
DOT Hazard Class: ORM-D ORM-D
UN/NA Number:

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name:
UN Number:
Hazard Class: N.A.

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Aerosols (Tetrachloroethylene), 2.2 (6.1)
UN Number: 1950
Hazard Class: N.A.
Packing Group:
IMDG Classification: 2.2
Marine Pollutant: Yes

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)
127-18-4	Tetrachloroethylene	No	Yes 100 LB	Yes
124-38-9	Carbon dioxide	No	No	No

CAS # Hazardous Components (Chemical Name)

127-18-4 Tetrachloroethylene

124-38-9 Carbon dioxide

Other US EPA or State Lists

CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: 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

CAA HAP,ODC: No; CWA NPDES: No; TSCA: 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: Yes - 0343; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes

CAS # Hazardous Components (Chemical Name)

127-18-4 Tetrachloroethylene

International Regulatory Lists

Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes - 063-01



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124-38-9 Carbon dioxide

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

European Community Hazard Symbol codes:

European Community Risk and Safety Phrases:

No data available.

Section 16. Other Information

Revision Date: 05/22/2013

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

Company Policy or Disclaimer:

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