

Battery Cleaner & Acid Leak Detector

Revision: 05/05/2014

Supersedes Revision: 06/17/2013

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:** C120
Product Name: Battery Cleaner & Acid Leak Detector
- 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 Gases, Category 1
- 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]:**

**GHS Signal Word:** Danger**GHS Hazard Phrases:**

H221: Flammable gas.

H315: Causes skin irritation.

H320: Causes eye irritation.

H333: May be harmful if inhaled.

H336: May cause drowsiness or dizziness.

H280: Contents under pressure. May explode if heated.

GHS Precaution Phrases:

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.

GHS Response Phrases:

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.

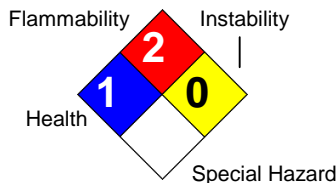
GHS Storage and Disposal Phrases:

P403: Store in well-ventilated place.

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

2.2.2 Labeling according to Directive 1999/45/EC:

Hazard Rating System:



2.3 Adverse Human Health Inhalation Health Risks and Symptoms of Exposure: Respiratory irritation, headache, Effects and Symptoms: nausea, fatigue, drowsiness, impaired coordination.

Skin and Eye Contact Health Risks and Symptoms of Exposure: Contact may dry the skin, prolonged contact may cause irritation. Liquid or vapor can irritate eyes.

Skin Absorption Health Risks and Symptoms of Exposure: Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis.

Ingestion Health Risks and Symptoms of Exposure: Not a likely route of exposure. If swallowed, do not induce vomiting. Seek immediate medical advice and/or attention.

Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
106-97-8	Butane	4.0 %	203-448-7 601-004-01-8	F+; T; R45-46-12 Flam. Gas 1: H220 Comp. Gas: H280
74-98-6	Propane	2.0 %	200-827-9 601-003-00-5	F+; R12 Comp. Gas: H280 Flam. Gas 1: H220

Section 4. First Aid Measures

4.1 Description of First Aid Measures: If swallowed, do not induce vomiting. If inhaled, remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. In case of skin contact, wipe off with towel. Wash with soap and water. In case of eye contact, was immediately with large volumes of fresh water for at least 15 minutes. Call physician immediately if adverse reaction occurs.

Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Foam, alcohol foam, CO₂, dry chemical, water fog.
- 5.2 Flammable Properties and Hazards:** Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will not support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.
- Flammability Classification:** NFPA Level 1 Aerosol
- Flash Pt:** -156.00 F (-104.4 C) Method Used: Estimate
- Explosive Limits:** LEL: 1.9 UEL: 9.5
- Autoignition Pt:** No data.
- 5.3 Fire Fighting Instructions:** Water spray 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. Wear goggles and self-contained breathing apparatus.



Battery Cleaner & Acid Leak Detector

Revision: 05/05/2014

Supersedes Revision: 06/17/2013

Section 6. Accidental Release Measures

- 6.3 Methods and Material For Containment and Cleaning Up:** Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Do not puncture or incinerate cans. Do not stick pin, nail or any other sharp object into opening on top of can. Do not spray in eyes. Do not take internally. Keep out of the reach of children.
- 7.2 Precautions To Be Taken in Storing:** Store and use in cool, dry, well-ventilated areas. Do not store above 120 degrees F.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
106-97-8	Butane	TWA: 1450 mg/m3 (600 ppm) STEL: 1810 mg/m3 (750 ppm)	TWA: 1900 mg/m3 (800 ppm)	No data.
74-98-6	Propane	No data.	No data.	No data.
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
106-97-8	Butane	No data.	TLV: (800 ppm)	No data.
74-98-6	Propane	PEL: 1000 ppm	TLV: (2500 ppm)	No data.

8.2 Exposure Controls:

- 8.2.1 Engineering Controls (Ventilation etc.):** Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit and LEL below stated limit.

8.2.2 Personal protection equipment:

- Eye Protection:** None under normal use; however, use of safety glasses with splash guards or full face shield is recommended.
- Protective Gloves:** None under normal use. Solvent resistant required for prolonged or repeated contact.
- Other Protective Clothing:** None under normal use; however, use of solvent resistant aprons or other clothing is recommended.
- Respiratory Equipment (Specify Type):** None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.



Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: Gas Liquid Solid
Appearance and Odor: Aerosol product.
Melting Point: No data.
Boiling Point: -44.00 F (-42.2 C) - -212.00 F (-135.6 C)
Flash Pt: -156.00 F (-104.4 C) Method Used: Estimate
Evaporation Rate: NE
Explosive Limits: LEL: 1.9 UEL: 9.5
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): NE
Specific Gravity (Water = 1): .98
Solubility in Water: Complete
Autoignition Pt: No data.

9.2 Other Information

Percent Volatile: 6.0 % by weight.

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: Application to hot surfaces. Storage above 120 degrees F. Exposure to open flame.
10.5 Incompatibility - Materials To Avoid: Oxidizing agents.
10.6 Hazardous Decomposition Or Byproducts: May produce fumes when heated to decomposition. Fumes may contain carbon monoxide.



Battery Cleaner & Acid Leak Detector

Revision: 05/05/2014

Supersedes Revision: 06/17/2013

Section 11. Toxicological Information

11.1 Information on Toxicological Effects: No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
106-97-8	Butane	n.a.	n.a.	n.a.	n.a.
74-98-6	Propane	n.a.	n.a.	n.a.	n.a.

Section 12. Ecological Information

Section 13. Disposal Considerations

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

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, Ltd. Qty.
UN Number: 1950
Hazard Class: N.A.
Packing Group:
IMDG Classification: 2.1

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Aerosols, flammable, 2.1, Ltd Qty
UN Number: 1950
Hazard Class: N.A.
IATA Classification: 2.1

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)
106-97-8	Butane	No	No	No
74-98-6	Propane	No	No	No

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

106-97-8	Butane	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 - 0273; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
74-98-6	Propane	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1594; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No

CAS # Hazardous Components (Chemical Name)

International Regulatory Lists

106-97-8	Butane	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
----------	--------	---------------------------------------------------------

**Battery Cleaner & Acid Leak Detector**

74-98-6 Propane

Revision: 05/05/2014

Supersedes Revision: 06/17/2013

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:** 05/05/2014**Additional Information About This Product:** No data available.**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.