



SAFETY DATA SHEET

Battery Cleaner & Acid Leak Detector

Page: 1

Revision: 09/05/2017

Supersedes Revision: 05/05/2014

1. Product and Company Identification

Product Code: C120
Product Name: Battery Cleaner & Acid Leak Detector
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
Intended Use: Battery Cleaner/Leak Detector

2. Hazards Identification

Flammable Gases, Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: H223: Flammable aerosol.
H229: Pressurized container. May burst if heated.

GHS Precaution Phrases: P210: Keep away from heat/sparks/open flames/hot surface - No smoking.
P211: Do not spray on an open flame or any other ignition source.
P251: Do not pierce or burn, even after use.

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: P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.
P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Potential Health Effects (Acute and Chronic): Inhalation Health Risks and Symptoms of Exposure: Respiratory irritation, headache, 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.



SAFETY DATA SHEET

Battery Cleaner & Acid Leak Detector

Page: 2

Revision: 09/05/2017

Supersedes Revision: 05/05/2014

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
106-97-8	Butane	4.0 %
74-98-6	Propane	2.0 %

4. First Aid Measures

Emergency and First Aid Procedures: 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, wash immediately with large volumes of fresh water for at least 15 minutes. Call physician immediately if adverse reaction occurs.

5. Fire Fighting Measures

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.

Suitable Extinguishing Media: Foam, alcohol foam, CO2, dry chemical, water fog.

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.

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.

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

7. Handling and Storage

Precautions To Be Taken in Handling: Keep away from heat/sparks/open flames/hot surface - No smoking. Do not spray on an open flame or any other ignition source. Do not pierce or burn, even after use. Keep out of the reach of children.

Precautions To Be Taken in Storing: Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.

8. Exposure Controls/Personal Protection

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.



SAFETY DATA SHEET

Battery Cleaner & Acid Leak Detector

Page: 3

Revision: 09/05/2017

Supersedes Revision: 05/05/2014

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.
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.
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.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Aerosol product.
pH:	No data.
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
Flammability (solid, gas):	No data available.
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
Octanol/Water Partition Coefficient:	No data.
Percent Volatile:	6.0 % by weight.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	No data.

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Application to hot surfaces. Storage above 120 degrees F. Exposure to open flame.
Incompatibility - Materials To Avoid:	Oxidizing agents.
Hazardous Decomposition or Byproducts:	May produce fumes when heated to decomposition. Fumes may contain carbon monoxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.



SAFETY DATA SHEET

Battery Cleaner & Acid Leak Detector

Page: 4

Revision: 09/05/2017

Supersedes Revision: 05/05/2014

11. Toxicological Information

Toxicological Information: 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.

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: Aerosols, 2.1, Ltd. Qty.
DOT Hazard Class: 2.1 FLAMMABLE GAS
UN/NA Number: UN1950

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Aerosols, 2.1, Ltd. Qty.
UN Number: 1950
Hazard Class: 2.1 - FLAMMABLE GAS

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Aerosols, 2.1, Ltd. Qty.
UN Number: 1950
Hazard Class: 2.1 - FLAMMABLE GAS

Packing Group:
IMDG Classification: 2.1
IMDG MFAG Number:

IMDG EMS Page:**AIR TRANSPORT (ICAO/IATA):**

ICAO/IATA Shipping Name: Aerosols, flammable, 2.1, Ltd Qty
UN Number: 1950
Hazard Class: 2.1 - FLAMMABLE GAS
IATA Classification: 2.1

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

CAS # Hazardous Components (Chemical Name)

106-97-8 Butane

74-98-6 Propane

Other US EPA or State Lists

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: Yes - 0273; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - 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



SAFETY DATA SHEET

Battery Cleaner & Acid Leak Detector

Page: 5

Revision: 09/05/2017

Supersedes Revision: 05/05/2014

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106-97-8	Butane
74-98-6	Propane

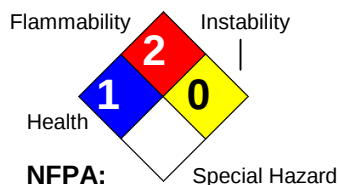
International Regulatory Lists

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

16. Other Information

Revision Date: 09/05/2017

Hazard Rating System:



Additional Information About This Product: No data available.

This Product:

Company Policy or

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