

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:** C121  
**Product Name:** Battery Protector
- 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:**
- |                          |   |                      |               |
|--------------------------|---|----------------------|---------------|
| <b>Company Name:</b>     | CYCLO INDUSTRIES, INC.<br>902 SOUTH US HIGHWAY 1<br>JUPITER, FL 33477 | <b>Phone Number:</b> | (800)843-7813 |
| <b>Web site address:</b> | www.cyclo.com   |                      |               |
| <b>Information:</b>      | First Aid Emergency (Outside U.S.)                                    |                      | (312)906-6194 |
- 1.4 Emergency telephone number:**
- |                           |                         |               |
|---------------------------|-------------------------|---------------|
| <b>Emergency Contact:</b> | 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 Liquids, Category 2  
Skin Corrosion/Irritation, Category 2  
Carcinogenicity, Category 1B  
Toxic To Reproduction, Category 2  
Target Organ Systemic Toxicity (single exposure), Category 3  
Target Organ Systemic Toxicity (repeated exposure), Category 2  
Aspiration Toxicity, Category 1  
Germ Cell Mutagenicity, Category 1B
- 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:**

H225: Highly flammable liquid and vapor.  
H315: Causes skin irritation.  
H333: May be harmful if inhaled.  
H350: May cause cancer.  
H361: Suspected of damaging fertility or the unborn child.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H304: May be fatal if swallowed and enters airways.  
H280: Contents under pressure. May explode if heated.

**GHS Precaution Phrases:**

P233: Keep container tightly closed.  
P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P240: Ground/bond container and receiving equipment.

- P241: Use explosion-proof electrical/ventilating/lighting equipment.  
 P243: Take precautionary measures against static discharge.  
 P242: Use only non-sparking tools.  
 P264: Wash hands thoroughly after handling.  
 P362+364: Take off contaminated clothing and wash it before reuse.  
 P271: Use only outdoors or in a well-ventilated area.  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.

### GHS Response Phrases:

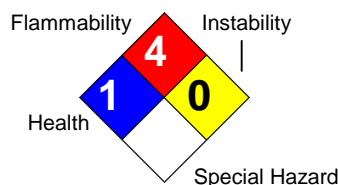
- P370+378: In case of fire, use foam, CO<sub>2</sub>, dry chemical or water fog to extinguish.  
 P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P303+361+353: IF ON SKIN (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.

## 2.2.2 Labeling according to Directive 1999/45/EC:

### Hazard Rating System:



**2.3 Adverse Human Health** Acute: Eye irritant. Skin irritant. Narcotic in high concentrations. Severe overexposure  
**Effects and Symptoms:** may cause damage to the blood.

Chronic: Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system and other internal organ damage.

**Medical Conditions** Acute and chronic liver and kidney disease, anemia, coronary disease or rhythm  
**Generally Aggravated** disorders of the heart.  
**By Exposure:**

## Section 3. Composition/Information on Ingredients

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CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
8052-41-3	Stoddard solvent	22.0 %	232-489-3 649-345-00-4	T; R45-65 Asp. Toxic. 1: H304 Mutagen 1B: H340 Carcinogen 1B: H350
108-88-3	Toluene	10.0 %	203-625-9 601-021-00-3	F; Xn; R11-38-48/20-63-65-67 Flam. Liq. 2: H225 Asp. Toxic. 1: H304 Skin Corr. 2: H315 TOST (SE) 3: H335 H336 Toxic Repro. 2: H361 TOST (RE) 2: H373
64742-89-8	Light aliphatic naptha	10.0 %	265-192-2 649-267-00-0	T; R45-65 Asp. Toxic. 1: H304 Mutagen 1B: H340



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Carcinogen 1B: H350

74-98-6	Propane	15.0 %	200-827-9	F+; R12
			601-003-00-5	Comp. Gas: H280 Flam. Gas 1: H220
106-97-8	Butane	15.0 %	203-448-7	F+; T; R45-46-12
			601-004-01-8	Flam. Gas 1: H220 Comp. Gas: H280

### 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. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately if adverse reaction occurs.

### Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** 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. Vapor accumulation can flash or explode if ignited. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.
- Flash Pt:** -156.00 F (-104.4 C) Method Used: Estimate
- Explosive Limits:** LEL: .7 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.

### 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 in a 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
8052-41-3	Stoddard solvent	No data.	No data.	No data.
108-88-3	Toluene	TWA: 191 mg/m3 (50 ppm) STEL: 384 mg/m3 (100 ppm)	TWA: 192 mg/m3 (50 ppm) STEL: 384 mg/m3 (100 ppm)	TWA: 192 mg/m3 STEL: 384 mg/m3
64742-89-8	Light aliphatic naptha	No data.	No data.	No data.
74-98-6	Propane	No data.	No data.	No data.
106-97-8	Butane	TWA: 1450 mg/m3 (600 ppm)	TWA: 1900 mg/m3 (800)	No data.



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STEL: 1810 mg/m3 (750 ppm) ppm)

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
8052-41-3	Stoddard solvent	PEL: 500 ppm	TLV: 100 ppm	No data.
108-88-3	Toluene	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 50 ppm	No data.
64742-89-8	Light aliphatic naptha	No data.	No data.	No data.
74-98-6	Propane	PEL: 1000 ppm	TLV: (2500 ppm)	No data.
106-97-8	Butane	No data.	TLV: (800 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.

**Work/Hygienic/Maintenance Practices:** Small pressurized containers of flammable products may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources and ventilation except that they should not be stored in basements.

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Aerosol product.
<b>Melting Point:</b>	No data.
<b>Boiling Point:</b>	-44.00 F (-42.2 C) - -310.00 F (-190.0 C)
<b>Flash Pt:</b>	-156.00 F (-104.4 C) Method Used: Estimate
<b>Evaporation Rate:</b>	No data.
<b>Explosive Limits:</b>	LEL: .7 UEL: 9.5
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	> Air
<b>Specific Gravity (Water = 1):</b>	.71
<b>Solubility in Water:</b>	Slight
<b>Autoignition Pt:</b>	No data.



**9.2 Other Information**

**Percent Volatile:** NP

**Section 10. Stability and Reactivity**

- 10.1 Reactivity:** No data available.
- 10.2 Stability:** Unstable [ ] Stable [ X ]
- 10.3 Conditions To Avoid - Hazardous Reactions:** No data available.
- Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]
- 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:** Strong oxidizing agents.
- 10.6 Hazardous Decomposition Or Byproducts:** May produce fumes when heated to decomposition. Fumes may contain carbon monoxide.

**Section 11. Toxicological Information**

**11.1 Information on Toxicological Effects:** No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
8052-41-3	Stoddard solvent	n.a.	n.a.	n.a.	n.a.
108-88-3	Toluene	n.a.	3	A4	n.a.
64742-89-8	Light aliphatic naphtha	n.a.	n.a.	n.a.	n.a.
74-98-6	Propane	n.a.	n.a.	n.a.	n.a.
106-97-8	Butane	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:** Aerosols, Ltd. Qty.  
**UN Number:** 1950  
**Hazard Class:** N.A.                                      **ADR Classification:** 2.1

**14.2 MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Aerosols, Ltd. Qty.  
**UN Number:** 1950                                      **Packing Group:**  
**Hazard Class:** N.A.                                      **IMDG Classification:** 2.1



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**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)
8052-41-3	Stoddard solvent	No	No	No
108-88-3	Toluene	No	Yes 1000 LB	Yes
64742-89-8	Light aliphatic naptha	No	No	No
74-98-6	Propane	No	No	No
106-97-8	Butane	No	No	No

**CAS # Hazardous Components (Chemical Name)****Other US EPA or State Lists**

8052-41-3	Stoddard solvent	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1736; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes
108-88-3	Toluene	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Inventory, 8A CAIR; 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 - 1866; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
64742-89-8	Light aliphatic naptha	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; 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
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

**CAS # Hazardous Components (Chemical Name)****International Regulatory Lists**

8052-41-3	Stoddard solvent	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
108-88-3	Toluene	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
64742-89-8	Light aliphatic naptha	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
74-98-6	Propane	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
106-97-8	Butane	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** No data available.

**This Product:**

**Company Policy or**

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