

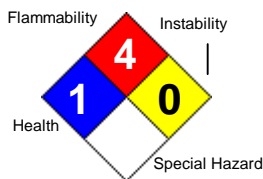


# MATERIAL SAFETY DATA SHEET

## Air Intake System Cleaner, 5.29 oz, 9.24 oz

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CYCLO INDUSTRIES, INC.  
902 SOUTH US HIGHWAY 1  
JUPITER, FL 33477



Revision: 01/30/2012  
Supersedes Revision: 10/08/2010  
Date Created: 10/08/2010

### 1. Product and Company Identification

**Product Code:** C-88201,C-88211  
**Product Name:** Air Intake System Cleaner, 5.29 oz, 9.24 oz  
**Manufacturer Information**  
**Company Name:** CYCLO INDUSTRIES, INC.  
**Phone Number:** (800)843-7813  
**Fax Number:** (561)745-3867  
**Emergency Contact:** First Aid Emergency (800)222-1222  
**Alternate Emergency Contact:** Chemtrec (703) 527-3887 (800)424-9300  
**Information:** First Aid Emergency (Outside U.S.) (312)906-6194  
**Web site address:** www.cyclo.com  
**Email address:** ehs@cyclo.com

### 2. Hazards Identification

#### Emergency Overview

**DANGER:** Extremely flammable. Harmful or fatal if swallowed. Vapor may cause flash fire. Eye & skin irritant. Contents under pressure.

#### Potential Health Effects (Acute and Chronic)

**Ingestion:** Ingestion of small amounts during normal handling are not likely to cause injury. Larger amounts may cause effects similar to those described under inhalation. Ingestion of large amounts may cause stomach irritation. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

**Inhalation:** High concentrations may cause respiratory irritation and central nervous system depression with results ranging from dizziness and headache to unconsciousness. No hazard under normal conditions of use.

**Eye Contact:** Severe eye irritant.

**Skin Contact:** Non-irritating to a very mild skin irritant.

**Chronic Effects:** Animals exposed to Acetone over long periods of time developed eye and kidney damage.

#### Signs and Symptoms Of Exposure

No data available.

#### Medical Conditions Generally Aggravated By Exposure

No data available.

### 3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Acetone	67-64-1	80.0 -100.0 %
2. Carbon dioxide	124-38-9	5.0 -10.0 %



## 4. First Aid Measures

### Emergency and First Aid Procedures

If swallowed, do not induce vomiting. Never give anything by mouth if victim is rapidly losing consciousness or is convulsing. Drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. In case of eye contact, immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses if any after the initial flushing and then continue flushing. In case of skin contact, remove contaminated clothing and laundry before reuse. Wash with soap and water. Call physician immediately if adverse reaction occurs.

## 5. Fire Fighting Measures

**Flammability Classification:** NFPA Level 3 Aerosol  
**Flash Pt:** -1.80 C (28.8 F)  
**Explosive Limits:** LEL: No data. UEL: No data.  
**Autoignition Pt:** No data available.

### Fire Fighting Instructions

Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire. Extremely flammable. Contents under pressure. Vapors are heavier than air and may travel or be moved along the ground to an ignition source at locations distant from material handling. Sprayed product will project a flame on contact with an ignition source. Containers may explode if heated.

### Flammable Properties and Hazards

No data available.

### Hazardous Combustion Products

Carbon dioxide, carbon monoxide and other unidentified organic compounds.

### Suitable Extinguishing Media

Alcohol foam or water fog for large fires. Carbon dioxide or dry chemical for small fires. Use water spray to cool fire exposed containers and prevent bursting. Do not use a direct stream of water.

### Unsuitable Extinguishing Media

No data available.

## 6. Accidental Release Measures

### Steps To Be Taken In Case Material Is Released Or Spilled

Wear suitable protective clothing. Follow applicable explosion and fire precautions during the response. Stop spill at the source when safe to do so. For large spills, dike the area to prevent spreading. Pump excess to a salvage container. Absorb residues and small spills with a non-flammable absorbent material and collect adsorbate for disposal.

## 7. Handling and Storage

### Precautions To Be Taken in Handling

Extremely flammable. Keep away from heat, sparks, flame and other sources of ignition. Contents under pressure. Do not use on hot vehicles. Use with adequate ventilation. Avoid breathing vapors or mist. Avoid skin and eye contact. Use good personal hygiene. Avoid smoking, eating and drinking during use. Wash with soap and water after handling. Containers of this material may contain hazardous residues when emptied. Keep out of the reach of children.

### Precautions To Be Taken in Storing

Store in a cool, dry, well ventilated area away from heat, ignition sources and incompatibilities. Keep containers tightly closed when not in use. Storage temperatures should not exceed 35 degrees C.



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### 8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TWA	Other Limits
1. Acetone	67-64-1	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
2. Carbon dioxide	124-38-9	PEL: 5000 ppm	TLV: 5000 ppm STEL: 30,000 ppm	No data.

#### Respiratory Equipment (Specify Type)

Not normally required. If the TLV is exceeded, a NIOSH approved respirator is advised.

#### Eye Protection

Safety glasses. Contact lenses should not be worn. They may contribute to the severity of the injury.

#### Protective Gloves

Butyl rubber.

#### Other Protective Clothing

Sufficient clothing to prevent skin contact.

#### Engineering Controls (Ventilation etc.)

Sufficient mechanical ventilation to maintain exposures below the TLV. General mechanical ventilation is not recommended as the sole means of controlling exposure. Make-up air should always be supplied to balance air exhausted.

#### Work/Hygienic/Maintenance Practices

Emergency showers and eyewash facilities should be nearby. The selection of personal protective equipment will vary depending on the conditions of use.

### 9. Physical and Chemical Properties

Physical States:	[ ] Gas [ X ] Liquid [ ] Solid
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	No data.
Flash Pt:	-1.80 C (28.8 F)
Specific Gravity (Water = 1):	.79 at 20.0 C (68.0 F)
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	> 1
Evaporation Rate (vs Butyl Acetate=1):	No data.
Solubility in Water:	Soluble
Percent Volatile:	0.0 % by weight.
Viscosity:	< 5 cSt

#### Appearance and Odor

Clear, light yellow with aromatic odor.

### 10. Stability and Reactivity

Stability:	Unstable [ ] Stable [ X ]
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#### Conditions To Avoid - Instability

Stable at ambient temperatures and pressure. Avoid excessive heat, sparks and open flame. Avoid contact with incompatible materials.

#### Incompatibility - Materials To Avoid

Strong oxidizers such as HOOH, HNO<sub>3</sub> and oleum.



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### Hazardous Decomposition Or Byproducts

Carbon dioxide, carbon monoxide and other unidentified organic compounds.

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

### Conditions To Avoid - Hazardous Reactions

No data available.

## 11. Toxicological Information

No data available.

### Chronic Toxicological Effects

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Acetone	67-64-1	n.a.	n.a.	A4	n.a.
2. Carbon dioxide	124-38-9	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

Insoluble in water. Toxic to aquatic life. Aromatic hydrocarbons may be bioaccumulative but they have no food chain concentration potential.

## 13. Disposal Considerations

### Waste Disposal Method

Disposal should be made in accordance with federal, state and local regulations.

## 14. Transport Information

### LAND TRANSPORT (US DOT)

<b>DOT Proper Shipping Name</b>	Consumer Commodity
<b>DOT Hazard Class:</b>	ORM-D
<b>DOT Hazard Label:</b>	ORM-D

### MARINE TRANSPORT (IMDG/IMO)

<b>IMDG/IMO Shipping Name</b>	Aerosols, Ltd. Qty.
<b>UN Number:</b>	1950
<b>Hazard Class:</b>	N.A.
<b>IMDG Classification:</b>	2.1

### Additional Transport Information

No data available.

## 15. Regulatory Information

### US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Acetone	67-64-1	No	Yes 5000 LB	No	Yes
2. Carbon dioxide	124-38-9	No	No	No	No

### Other US EPA or State Lists

Hazardous Components (Chemical Name)	CAS #	CAA HAP, ODC	CWA NPDES	TSCA	CA PROP.65
1. Acetone	67-64-1	No	No	Inventory	No
2. Carbon dioxide	124-38-9	No	No	Inventory	No
Hazardous Components (Chemical Name)	CAS #	CA TAC, Title 8	MA Oil/HazMat	MI CMR, Part 5	NC TAP
1. Acetone	67-64-1	Title 8	Yes	Part 5	No
2. Carbon dioxide	124-38-9	Title 8	Yes	No	No
Hazardous Components (Chemical Name)	CAS #	NJ EHS	NY Part 597	PA HSL	SC TAP
1. Acetone	67-64-1	Yes - 0006	Yes	Yes - E	No



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**Hazardous Components (Chemical Name)**

2. Carbon dioxide

**CAS #**

124-38-9

**NJ EHS**

Yes - 0343

**NY Part 597**

No

**PA HSL**

Yes - 1

**SC TAP**

No

**Hazardous Components (Chemical Name)**

1. Acetone

**CAS #**

67-64-1

**WI Air**

Yes

2. Carbon dioxide

124-38-9

Yes

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

1. Acetone

**CAS #**

67-64-1

**Canadian DSL**

Yes

**Canadian NDSL**

No

**Taiwan TCSCA**

No

2. Carbon dioxide

124-38-9

Yes

No

No

**SARA (Superfund Amendments and  
Reauthorization Act of 1986) Lists:****Sec.302:**

EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. \* indicates 10000 LB TPQ if not volatile.

**Sec.304:**

EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. \*\* indicates statutory RQ.

**Sec.313:**

EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.

**Sec.110:**

EPA SARA 110 Superfund Site Priority Contaminant List

**TSCA (Toxic Substances Control  
Act) Lists:****Inventory:**

Chemical Listed in the TSCA Inventory.

**5A(2):**

Chemical Subject to Significant New Rules (SNURS)

**6A:**

Commercial Chemical Control Rules

**8A:**

Toxic Substances Subject To Information Rules on Production

**8A CAIR:**

Comprehensive Assessment Information Rules - (CAIR)

**8A PAIR:**

Preliminary Assessment Information Rules - (PAIR)

**8C:**

Records of Allegations of Significant Adverse Reactions

**8D:**

Health and Safety Data Reporting Rules

**8D TERM:**

Health and Safety Data Reporting Rule Terminations

**12(b):**

Notice of Export

**Other Important Lists:****CWA NPDES:**

EPA Clean Water Act NPDES Permit Chemical

**CAA HAP:**

EPA Clean Air Act Hazardous Air Pollutant

**CAA ODC:**

EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)

**CA PROP 65:**

California Proposition 65

**CA TAC:**

California AB 1807 - Toxic Air Contaminants

**CA Title 8:**

California Hazardous Substances List: Title 8, Sec. 339

**MI CMR:**

Michigan Critical Materials Register

**MI Part 5:**

Michigan DEQ WRP Part 5 Pollutants List

**NC TAP:**

North Carolina Toxic Air Pollutants

**NJ EHS:**

New Jersey Environmental Hazardous Substances List

**NY Part 597:**

New York Part 597 List of Hazardous Substances

**PA HSL:**

Pennsylvania Hazardous Substances List

**SC TAP:**

South Carolina Toxic Air Pollutants



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**WI Air:**

Wisconsin Reportable Air Contaminants

### International Regulatory Lists:

**Canadian DSL:**

Canada Domestic Substances List

**Canadian NDSL:**

Canada Non-Domestic Substances List

**Taiwan TCSCA:**

Taiwan Toxic Chemical Substances Control Act of 1986

## 16. Other Information

### 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.