



CYCLO[®] INDUSTRIES, INC.

MATERIAL SAFETY DATA SHEET

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If Cyclo Industries, Inc. considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cyclo[®] Carb Clean[®], Stock Nos. C-1 & C-5

Product Use: Dissolves gum, varnish and carbon to restore carburetor and engine performance. Cleaner for throttle plate area of fuel injected vehicles, vacuum piston and cylinder, and PCV valve.

Manufactured by: Cyclo Industries, Inc., 401 Maplewood Drive, Suite 18, Jupiter, FL 33458
Telephone: (561) 775-9600

First Aid Emergency: (800) 752-7869 or (312) 906-6194

Shipping Emergency: (800) 424-9300 or (703) 527-3887 (CHEMTREC)

HMIS Code: Health = 2* Flammability = 3 Physical Hazard = 2

NFPA Code: Health = 2 Flammability = 3 Reactivity = 0

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
67-64-1	Acetone	40 – 50	2400 mg/m ³ 1000 ppm = OSHA Z PEL 1800 mg/m ³ 750 ppm = OSHA Z TWA 500 ppm = ACGIH TLV TWA 750 ppm = ACGIH TLV STEL
108-88-3	Toluene	20 – 30	200 ppm 375 mg/m ³ 100 ppm = OSHA Z TWA 300 ppm = OSHA Z Ceiling 50 ppm = ACGIH TLV TWA
142-82-5	Heptane	10 – 20	2000 mg/m ³ 500 ppm = OSHA Z PEL 1600 mg/m ³ 400 ppm = OSHA Z TWA 400 ppm = ACGIH TLV TWA 500 ppm = ACGIH TLV STEL
124-38-9	Carbon Dioxide	5 – 15	9000 mg/m ³ 5000 ppm = OSHA Z PEL 18000 mg/m ³ 10000 ppm = OSHA Z TWA 5000 ppm = ACGIH TLV TWA 30000 ppm = ACGIH TLV STEL

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Danger: Extremely flammable. Contents under pressure. Harmful or fatal if swallowed. Vapor Harmful. Keep away from heat, sparks and flame. Can cause nervous system depression.

Carcinogenicity: NTP Carcinogen = No; IARC Monographs = No; OSHA Regulated = No

SECTION 4 - FIRST AID MEASURES

First Aid Procedures:

Ingestion: Seek medical attention immediately. Aspiration hazard: DO NOT induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Do not leave individual unattended.

Skin Contact: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use. Get medical attention if irritation persists.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Get medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: <0°F (<-20°C) **Method Used:** TAG Closed Cup

Flammable Limits in Air by Volume: Lower Explosion Limit (LEL) = NT
Upper Explosion Limit (UEL) = Not determined

Extinguishing Media: Carbon dioxide, dry chemical, foam.

Special Fire Fighting Procedures: Contents under pressure. Cool exposed containers with water spray to prevent bursting. SCBA should be used whenever chemical fires are present.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide

NFPA Rating: Level 3 Aerosol

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear appropriate protective clothing and equipment to prevent skin and eye contact.

Spill/Leak Procedures: Contain any liquid from leaking containers. Wear protective equipment specified. Remove all sources of ignition. Ventilate the area. Do not puncture or incinerate container. Contents under pressure. Clean up using dry procedures; avoid dusting. Sweep or gather up material and place in proper container for disposal or recovery.

Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

SECTION 7 - HANDLING AND STORAGE

Handling & Storage Procedures: Danger: Extremely flammable. Caution: Contents under pressure. Keep away from heat and open flame. Do not puncture, incinerate or store above 120°F. Do not store in passenger compartment of automobile. Use only in a well-ventilated area.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure or self-contained breathing apparatus.

Ventilation: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Protective Gloves: Use chemical resistant gloves for prolonged skin contact. Rubber apron.

Eye Protection: Wear safety glasses or goggles to protect against exposure.

Work/Hygienic Practices: Exhaust ventilation, showers and eyewash stations are recommended.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not applicable

Specific Gravity (H₂O=1): Not determined

Vapor Density (Air=1): Not determined

Evaporation Rate (Butyl Acetate = 1): Not determined

Appearance and Odor: Clear, colorless spray mist.

Solubility in Water: Negligible

Volatile Organic Compound (VOC) (as packaged minus water): 44.9 %

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Keep away from heat, sparks and flames. Temperatures over 120°F.

Incompatibility (materials to avoid): Strong acids, strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon monoxide, Carbon dioxide

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological Data:

Ingredient/CAS No.	Weight %	Route	Species	Dose
Acetone / 67-64-1	40 – 50	Inhalation	Rats	LC50 50100 mg/m ³ /8H
Toluene / 108-88-3	20 - 30	Inhalation	Rats	LC50 49 gm/m ³ /4H
Heptane / 142-82-5	10 – 20	Inhalation	Rats	LC50 103 gm/m ³ /4H

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic/Terrestrial Toxicity Environmental Fate No data is available at this time.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

SECTION 14 - TRANSPORT INFORMATION

U.S. DOT

Shipping Description: Consumer Commodity
ID Number: Not applicable
Hazard Class: ORM-D
Packing Group: Not applicable
Label: Not applicable
Placards: Not applicable

IMDG

Shipping Description: Aerosols, Ltd. Qty.
ID Number: UN1950
Hazard Class: 2.1
Packing Group: Not applicable
Label: Not applicable
Markings: Not applicable
Placards: Not applicable

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory of chemical substances maintained by the U.S. Environmental Protection Agency.

SARA Extremely Hazardous Substances (Section 302 of Title III – 29 CFR Part 1910.1200(c)): None

SARA Toxic Release Chemicals (Section 313 of Title III – 40 CFR Part 372): This product contains the following toxic chemical subject to the reporting requirements:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
Toluene	108-88-3	10 - 20

CERCLA/Superfund (RQ):

<u>Chemical Name</u>	<u>CAS#</u>	<u>RQ</u>
Toluene	108-88-3	1000 lbs.
Acetone	67-64-1	5000 lbs.

California Proposition 65:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
Toluene	108-88-3	10 – 20

Listed: January 1, 1991 Developmental toxin.

Component	New Jersey Right-to-Know List: Substance no. 0006
Acetone 67-64-1	Listed: Substance no. 2422 Substance no. 2423 Substance no. 2425 Substance no. 2426 Substance no. 2427 Substance no. 2428 Substance no. 2429 Substance no. 2430
Toluene 108-88-3	Substance no. 1866 Substance no. 2422 Substance no. 2423 Substance no. 2425 Substance no. 2426 Substance no. 2427 Substance no. 2428 Substance no. 2429 Substance no. 2430
Heptane 142-82-5	Substance no. 2422 Substance no. 2423 Substance no. 2425 Substance no. 2426 Substance no. 2427 Substance no. 2428 Substance no. 2429 Substance no. 2430 Substance no. 1339
Carbon Dioxide 124-38-9	Substance no. 0343

SECTION 16 - OTHER INFORMATION

Document Date: 10/23/08

Supersedes: 12/20/2007

Revisions: 12/29/05: Section 1 – address; Section 2 – added Heptane and Carbon dioxide. Removed Propane, Xylene, Methanol and Ethylbenzene; Section 5 – changed flammable limits. Section 9 – updated Specific

Gravity, Boiling Point, Vapor Density, VOC.

12/20/07: Section 14 – Hazard class updated. Cyclo Industries incorporated.

10/23/2008: Formula review

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