

CYCLO[®] INDUSTRIES, LLC

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, LLC 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 & COMPANY IDENTIFICATION

Product Name: Cyclo[®] Bug & Tar Clean[®], Stock No. C-64

Product Use: Penetrates bugs, tree sap, oil, bird droppings and tar for easy removal.

Manufactured by: Cyclo Industries, LLC
10190 Riverside Drive, Palm Beach Gardens, Florida 33410-4881
Telephone: (561) 775-9600

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

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

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
1330-20-7	Xylene	5 – 15	100 ppm = OSHA PEL 100 ppm = ACGIH TLV
64742-88-7	Petroleum Distillate	10 – 20	Not established
106-97-8	Butane	1 – 10	1000 ppm = OSHA PEL
74-98-6	Propane	1 – 10	1000 ppm = OSHA PEL Asphyxiant = ACGIH TLV

SECTION 3 – HAZARDS IDENTIFICATION

Effects of Overexposure:

Ingestion: Not a likely source of exposure.

Inhalation: Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired coordination.

Skin Contact: Can be absorbed. Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis. Prolonged contact may cause irritation.

Eye Contact: Liquid or vapor can irritate.

SECTION 3 – HAZARDS IDENTIFICATION continued

Health Hazards (Acute and Chronic):

ACUTE: Eye irritant and skin irritant
 CHRONIC: Unknown

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

Medical Conditions Generally Aggravated by Exposure: None known

SECTION 4 – FIRST AID MEASURES

First Aid Procedures:

Ingestion: If swallowed, do NOT induce vomiting. Seek immediate medical advice and/or attention.
 Skin Contact: Wipe off with towel. Wash with soap and water. Get medical attention if irritation persists.
 Inhalation: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.
 Eye Contact: Wash immediately with large amounts of fresh water for at least 15 minutes. Get medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: -156°F (-104°C) **Method Used:** Estimated

Flammable Limits in Air by Volume:

Lower Explosion Level (LEL) = 0.9 Upper Explosion Level (UEL) = 9.5

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

Special Fire Fighting Procedures: 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.

Unusual Fire and Explosion 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.

HMIS Code: Health = 2 Flammability = 4 Reactivity = 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures: 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

Handling Procedures: Store and use in cool, dry, well-ventilated areas. Do not puncture or incinerate (burn) 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. See product label for additional information. KEEP OUT OF THE REACH OF CHILDREN.

Storage Procedures: Store and use in cool, dry, well-ventilated areas. Do not store above 120°F (48.8°C). The storage of non-flammable products with non-flammable pressurizing agent, in cartons, is the same as for ordinary canned goods in cartons.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: 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.

Ventilation: 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.

Protective Gloves: None under normal use. Solvent resistant required for prolonged or repeated contact.

Eye Protection: None under normal use, however, safety glasses with splash guards or full face shield is recommended.

Other Protective Equipment: None under normal use, however, use of solvent resistant apron or other clothing is recommended.

Work/Hygienic Practices: Eye washes and safety showers in the workplace are recommended.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range: -44° - 367°F (-7° - 186°C)

Specific Gravity (H₂O=1): 0.9

Vapor Pressure:	<u>(mm Hg) @ Temp</u>	
Xylene	25.0	77°F
Petroleum Distillate	0.6	68°F
Butane	1640.0	68°F
Propane	6350.0	68°F

Vapor Density (AIR = 1): Heavier than air

Solubility in Water: Partial, disperses

Evaporation Rate (Butyl Acetate = 1): Slower than ether

Appearance and Odor: Aerosol product

Volatile Organic Compound (VOC): 33.9%

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Application to hot surfaces, storage above 120°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.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

SECTION 12 – ECOLOGICAL INFORMATION

Aquatic/Terrestrial No data is available at this time.

Toxicity

Environmental Fate

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

IMDG

Shipping Description:	Aerosols, Limited Quantity
ID Number:	1950
Hazard Class:	Class 2
Packing Group:	Not Required
Label:	Not Required
Markings:	Not applicable
Placards:	Not applicable

SECTION 15 – REGULATORY INFORMATION
--

TSCA Inventory: The chemicals in this product are listed on the TSCA Inventory

SARA Extremely Hazardous Substances: None

SARA Section 313: This product contains the following toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 – Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
None		

CERCLA/Superfund (RQ): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

SECTION 16 – OTHER INFORMATION

Document Date: 3/26/03

Supersedes: 3/14/02

Revisions: Section 11 – Added entire section, Section 12 – Added entire section, Section 14 – Added entire section and Section 15 – Added entire section.

Cyclo Industries, LLC 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 judgement in determining its appropriateness for a particular purpose. Cyclo Industries, LLC 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, LLC will not be responsible for damages resulting from use of or reliance upon this information.