



# CYCLO<sup>®</sup> 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.

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### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** Cyclo<sup>®</sup> Break•Away<sup>®</sup> Icy Blast, Stock No. CI4

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

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

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

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### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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Component	Cas #	Weight Percentage	Exposure Limits
Butane	106-97-8	20-30	OSHA Z TWA - 1900 mg/m <sup>3</sup> 800 ppm ACGIH TLV TWA - 1000 ppm
400/500 Base Solvent	64742-47-8	45-48	OSHA TWA - 500 ppm OSHA Z PEL - 500 ppm OSHA Z TWA - 500 ppm
Propane	74-98-6	20-30	OSHA Z PEL - 1800 mg/m <sup>3</sup> 1000 ppm OSHA Z TWA - 1800 mg/m <sup>3</sup> 1000 ppm ACGIH TLV TWA - 1000 ppm
Hitec503		2-5	Not Listed

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### SECTION 3 - HAZARDS IDENTIFICATION

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**Emergency Overview:** Contents under pressure. Keep away from heat, sparks and flame. This material is a skin irritant.

**HMIS Code:** Health = 1                      Flammability = 2                      Physical Hazard = 2  
**NFPA Rating:** Health = 1                      Flammability = 2                      Reactivity = 0

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### SECTION 4 - FIRST AID MEASURES

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**First Aid Procedures:**

**Ingestion:** If swallowed, do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

**Skin Contact:** Wash with soap and water for 15 minutes. If irritation persists or signs of toxicity occur, seek medical attention. Remove contaminated clothing and shoes and launder before reuse.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If

breathing is difficult, give oxygen. Get medical attention.  
 Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

### SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point:** <100°F (<37.8°C) **Method Used:** TCC  
**Flammable Limits in Air by Volume:** Lower Explosion Limit (LEL) = .9% Upper Explosion Limit (UEL) = Not determined  
**Extinguishing Media:** Carbon dioxide & foam. Use water spray to keep containers cool that are exposed to heat or flames.  
**Special Fire Fighting Procedures:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing.  
**Hazardous Combustion Products:** Carbon dioxide and Carbon Monoxide.  
**Aerosol Comments:** NFPA Level 3 Aerosol

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.  
**Spill/Leak Procedures:** Contain any liquid from leaking containers. Avoid all sources of ignition; heat, sparks and open flames.  
**Action to be taken if material is released or spilled:** Do not puncture or incinerate container. Contents are under pressure. Wear proper protective equipment as specified in the protective equipment section. Remove sources of ignition. Leaking containers should be removed to an isolated, well-ventilated area and transferred to other suitable containers. Wipe, scrape or soak up in an inert material and put in a container intended for flammable materials for disposal.  
**Environmental Precautions:** Do not allow to enter sanitary drains, sewer or surface and subsurface waters. Keep out of lakes, ponds or streams.

### SECTION 7 - HANDLING AND STORAGE

**Handling & Storage Procedures:** Caution: Contents under pressure. Keep away from heat and open flame. Use only in a well-ventilated area. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Do not puncture, incinerate or store above 120°F. Exposure to high temperatures may cause bursting. DO NOT store in the passenger compartment of an automobile.

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use in a well-ventilated area. Local exhaust ventilation as necessary to maintain exposures to within applicable limits.  
**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.  
**Skin Protection:** Avoid skin contact. Wear protective clothing and gloves.  
**Respiratory Protection:** Do not breathe mist or vapor. Use in a well-ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** >300°F (149°C) **Specific Gravity (H<sub>2</sub>O=1):** .76@ 60°F (liquid)  
**Vapor Pressure:** Not determined **Vapor Density (Air=1):** Not determined  
**Solubility in Water:** Moderate **pH:** Not determined  
**Evaporation Rate (Butyl Acetate = 1):** Not determined **Viscosity:** Not determined

**Appearance and Odor:** Colorless to pale yellow liquid with a hydrocarbon odor.

**Volatile Organic Compound (VOC) (as packaged minus water):** 53.37%

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### SECTION 10 - STABILITY AND REACTIVITY

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**Stability:** Stable under normal conditions of handling, use and transportation.

**Conditions to Avoid:** Keep away from heat, sparks and flame. Avoid any source of ignition. Do not expose to heat or store at temperatures above 120°F.

**Incompatibility (materials to avoid):** Strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Carbon monoxide, Carbon dioxide and Oxides of Carbon and nitrogen. AVOID extreme heat.

**Hazardous Polymerization:** Will not occur.

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### SECTION 11 - TOXICOLOGICAL INFORMATION

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**Toxicological Data:**

Component	Route	Species	Dose
Butane 106-97-8	N/A	N/A	LC50 658 gm/m <sup>3</sup> /4H
400/500 Base Solvent 64742-47-8	Inhalation	Rats	Not known
Propane 74-98-6	N/A	N/A	Not known
Hitec 503	Inhalation	Rats	Not known

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

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### SECTION 12 - ECOLOGICAL INFORMATION

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Ecological testing has not been conducted on this product.

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### SECTION 13 - DISPOSAL CONSIDERATIONS

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**Waste Disposal Method:** Disposal should be made in accordance with federal, state and local regulations.

**Waste Classification:** Residues and spilled material are hazardous waste due to ignitability.

**Waste Management:** Not determined.

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### SECTION 14 - TRANSPORT INFORMATION

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<b>U.S. DOT</b>		<b>IMDG</b>
<b>Shipping Description:</b>	ORM-D Consumer Commodity	Aerosol, Limited Quantity
<b>ID Number:</b>	Not applicable	UN1950
<b>Hazard Class:</b>	ORM-D	2
<b>Packing Group:</b>	Not applicable	N/A
<b>Label:</b>	Not applicable	N/A
<b>Placards:</b>	Not applicable	N/A

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### SECTION 15 - REGULATORY INFORMATION

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**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** None

**SARA Section 313** This product does not contain any toxic chemical(s) 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)

**CERCLA/Superfund (RQ):** This product is not subject to CERC LA 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.

Component	New Jersey Right-to-Know List:	
<b>Butane</b> <b>106-97-8</b>	Substance no. 0273	Substance no. 2427
	Substance no. 2422	Substance no. 2428
	Substance no. 2423	Substance no. 2429
	Substance no. 2425	Substance no. 2430
	Substance no. 2426	
<b>Propane</b> <b>74-98-6</b>	Substance no. 2422	Substance no. 2428
	Substance no. 2423	Substance no. 2429
	Substance no. 2425	Substance no. 2430
	Substance no. 2426	Substance no. 1594
	Substance no. 2427	

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### SECTION 15 - OTHER INFORMATION

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**Document Date:** 2/2/09

**Supersedes:** New

**Revisions:** N/A

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