

**Material Safety Data Sheet****Section 1 CHEMICAL PRODUCT SECTION**

**Identification:** Product Name: Anti-Static Foam Cleaner  
Product Number: 8072

**Recommend use:** Anti-Static cleaner for glass and plastics

**Manufacturer:** ACL Incorporated  
840 W 49<sup>th</sup> Place  
Chicago, Il 60609  
PH: (01) 847.981.9212 [U.S.A.]  
FAX: (01) 847.981.9278 [U.S.A.]

**Emergency telephone:** INFOTRAC: (01) 800.535.5053 (day or night)

**Section 2 HAZARDOUS IDENTIFICATION****HMIS HAZARD RATING:**

(2) Fire            (1\*) Health            (0) Reactivity            (A) Protective Equipment  
\*Chronic

**Potential Health Effects:**

**Inhalation:** Prolonged exposure can be irritating to eyes, nose and respiratory tract.

**Eyes:** May cause mild irritation.

**Skin:** Prolonged or repeated contact may cause irritation.

**Ingestion:** Not hazardous in normal industrial use.

**Section 3 COMPOSITION / INFORMATION ON INGREDIENTS**

<b>CHEMICAL</b>	<b>C.A.S. Number</b>	<b>Einecs</b>	<b>Weight %</b>
2-Butoxyethanol	111-76-2	203-905-0	1 – 5
Ethyl Alcohol	64-17-5	200-578-6	1 – 5
Deionized water	7732-18-5	231-791-2	70-90
Liquified Petroleum Gas	68476-85-7	270-704-2	1 – 5
Propane	74-98-6	200-827-9	----
n-Butane	106-97-8	203-448-7	----
Isobutane	75-28-5	200-857-2	----
Methyl Alcohol	67-56-1	200-659-6	<1.0

**Section 4 FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get prompt medical attention.

**Skin Contact:** Immediately flush with plenty of water for at least 15 minutes. Get prompt medical attention.

**Ingestion:** Get prompt medical attention. Do NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

**Section 5 FIRE FIGHTING MEASURES**

**Product is not required to be labeled as flammable as described in 16 CFR 1500.3 and 1500.45**

Flash Point & Method: <0°F (Propellant) >100°F (Concentrate)

Flammable Limits: % Volume In Air (Propellant)    LEL: 1.9            UEL: 9.5

Autoignition Temperature: NA

**General Hazard:** At elevated temperatures (over 130°F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

**Fire Fighting Instructions:**

Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protection clothing.

**Fire Fighting Equipment:** Water spray, foam, dry chemical, carbon dioxide.

**Special Fire Fighting Procedures:** Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

<b>Section 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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Land spill: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

<b>Section 7</b>	<b>HANDLING AND STORAGE</b>
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**Handling:** Avoid breathing vapor. Keep away from heat, sparks and flame.

**Storage Temperatures:** Ambient. Store as Level 1 Aerosol (NFPA 30).  
Do not expose to direct sunlight or store at temperatures above 120 ° F (48.9°C)

**Storage Pressure:** Atmospheric

**General:** Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

<b>Section 8</b>	<b>EXPOSURE CONTROL / PERSONAL PROTECTION</b>
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OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

	Exposure Limits 8 Hours TWA (PPM)	
	OSHA PEL	ACGIH TLV
2-Butoxyethanol	20ppm (skin)	25ppm (skin)
Ethyl Alcohol	1000 ppm	1000 ppm
Propane	2500 ppm	1000 ppm
n-Butane	800 ppmNE	
Methyl Alcohol	200	200

**Engineering Controls:** Local Exhaust ventilation acceptable

**Personal Protection:**

**Respirator:** None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.

**Hand protection:** Chemical resistant gloves recommended. Consult glove manufacturer to determine the proper type for a specific operation.

**Eye protection:** Safety Glasses optional

**Other recommendations:** Wear impervious clothing to prevent skin contact. Ensure strict sanitary conditions are conformed to when working around chemicals.

<b>Section 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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Density.....NE	Vapor Pressure (psig): 153 @ 130°F
Boiling Point.....NA	68 @ 70°F
Freezing Point..... NIF	% Volatile.....NE
Vapor Density (Air=1)...ND	% Solids.....NA
Solubility in Water...Completely	Evaporation Rate (H2O=1)...ND
Molecular Weight.....NA (mixture)	Viscosity.....NA
Non-Exempt VOC (g/l)..NA	Physical State.....Aerosol
Odor..... Floral	Appearance:..... White foam

<b>Section 10</b>	<b>STABILITY AND REACTIVITY</b>
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**General:** This product is stable under normal storage conditions.

**Incompatible Materials:** Oxidizing agents, reducing agents, acids, bases.

**Hazardous Decomposition:** Carbon monoxide, carbon dioxide and hydrocarbon vapors.

**Conditions to Avoid:** Do not store above 120°F (48.9°C).

Keep away from heat, direct sunlight, open flames or sparks.

Dropping of containers may cause bursting.

<b>Section 11</b>	<b>TOXICOLOGY INFORMATION</b>
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**Human Experience:** 2-Butoxyethanol may affect the liver and kidneys and may increase red blood cell hemolysis.

**Chronic Effects / Target Organs:** Liver. Kidneys. Nervous system. Heart and /or circulatory system.

<b>Section 12</b>	<b>ECOLOGICAL INFORMATION</b>
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No information

<b>Section 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**Do not puncture, incinerate or compact aerosol can.**

When contents are depleted continue to depress button until all gas is expelled.

RCRA 40 CFR 261 Classifications:

As packaged and after use, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it has neither the characteristics of Subpart C nor is listed in Subpart D.

Federal, State, and Local laws governing disposal of material can differ.

Ensure proper disposal compliance with proper authorities before disposal.

<b>Section 14</b>	<b>TRANSPORTATION INFORMATION</b>
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U.S. DOT Information:   Basic Description: NON HAZARDOUS MATERIAL  
                                   Proper Shipping Name: Consumer Commodity  
                                   Hazard Class: ORM-D  
                                   Packaging Group: 2.2  
                                   UN Number: 1950  
                                   Limitations: NA

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<b>Section 15</b>	<b>REGULATORY INFORMATION</b>
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United States Federal Regulations:

MSDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.  
 CERCLA/Superfund, 40 CFR 117, 302: None of the chemicals are Section 302 hazards

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 – Extremely hazardous substances (40 CFR 355):

---None of the chemicals are Section 302 hazards ---

Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370):

(X) By our hazard evaluation, this product is non-hazardous.

Section 313 – List of Toxic Chemicals (40CFR 372):

This product contains the following chemicals ( at level of 1% or greater)  
 which are found on the 313 list of Toxic Chemicals.

Chemical	C.A.S. NUMBER	WEIGHT %
<b>2-Butoxyethanol</b>	<b>111-76-2</b>	<b>1-5</b>

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**

Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: Refer to Section 13  
 Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116  
 (formerly section 311): This product does not contain listed chemicals

**STATE REGULATIONS:**

This MSDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Proposition 65: --- **None of the chemicals are on the Proposition 65 list---**

**INTERNATIONAL REGULATIONS:**

**Canada WHMIS:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

<b>Sections 16</b>	<b>OTHER INFORMATION</b>
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Product label warnings are as follows (Comparable CHIP Safety & Risk phrases are noted):

- Keep out of the reach of children (S2)
- Keep away from heat (S15)
- Use only in well-ventilated areas (S51)

REVISION DATES, SECTIONS, REVISED BY:

22-APR-98	Original Preparer: Jodi Gallagher
2-APR-01,	Reviewed
4-JAN-02	Revised all sections, mkb
21-APR-04	Revised sections 2,4, 5,6,7 & 9, mkb
15-Feb-10	New Format, new address, mkb

ABBREVIATIONS USED IN THIS DOCUMENT:

NE – Not Established, NA – Not Applicable, NIF – No Information Found, ND – Not Determined

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)  
 The Sigma-Aldrich Library of Regulatory and Safety Data  
 Chemical Guide and OSHA Hazardous Communication Standard  
 The Environmental Protection Agency ([www.epa.gov](http://www.epa.gov))  
 ANSI Standard: ANSI Z400.1-1998

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