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 49th 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

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

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.

### Section 6  ACCIDENTAL RELEASE MEASURES

**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.

### Section 7  HANDLING AND STORAGE

**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.

### Section 8  EXPOSURE CONTROL / PERSONAL PROTECTION

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):**

<table>
<thead>
<tr>
<th>Compound</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>20 ppm</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Propane</td>
<td>2500 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>n-Butane</td>
<td>800 ppmNE</td>
<td></td>
</tr>
<tr>
<td>Methyl Alcohol</td>
<td>200</td>
<td>200</td>
</tr>
</tbody>
</table>

**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.
Section 9

PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>NE</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>NA</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>NIF</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>%</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Completely</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>NA (mixture)</td>
</tr>
<tr>
<td>Non-Exempt VOC (g/l)</td>
<td>NA</td>
</tr>
<tr>
<td>Odor</td>
<td>Floral</td>
</tr>
<tr>
<td>Vapor Pressure (psig)</td>
<td>153 @ 130˚F</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>68 @ 70˚F</td>
</tr>
<tr>
<td>% Volatile</td>
<td>NE</td>
</tr>
<tr>
<td>% Solids</td>
<td>NA</td>
</tr>
<tr>
<td>Evaporation Rate (H2O=1)</td>
<td>ND</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NA</td>
</tr>
<tr>
<td>Physical State</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Appearance</td>
<td>White foam</td>
</tr>
</tbody>
</table>

Section 10

STABILITY AND REACTIVITY

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.

Section 11

TOXICOLOGY INFORMATION

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.

Section 12

ECOLOGICAL INFORMATION

No information

Section 13

DISPOSAL CONSIDERATIONS

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.

Section 14

TRANSPORTATION INFORMATION

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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Section 15  REGULATORY INFORMATION

United States Federal Regulations:
  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 %
    2-Butoxyethanol           111-76-2       1-5

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.

Sections 16  OTHER INFORMATION

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)

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