

**PRODUCT NAME:** ABRO Masters Foaming Clean All  
**PRODUCT NUMBER/SIZE:** FC-400-AM-RE, FC-650, FC-840-AM-RE **Revision Date:** 8/29/2016

**SECTION 1**  
**Identification of the Substance and of the Company/Undertaking**

**MANUFACTURER'S NAME:** ABRO INDUSTRIES, INC.  
**ADDRESS:** 3580 Blackthorn Drive  
South Bend, IN 46628 USA  
**PRODUCT DESCRIPTION:** Aerosol Cleaner  
**COMPANY PHONE:** 574-232-8289  
**EMERGENCY 24-HR TELEPHONE:** Chemtrec: US/Canada 1-800-424-9300  
International +1-703-527-3887

**SECTION 2**  
**Hazards Identification**

**Classification:**  
Flammable aerosol (Category 2)

**Label Pictogram(s):**



**Signal Word:** **WARNING**

**Hazard Phrases:** Flammable aerosol

**Precautionary Phrases:** Keep away from heat, sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition sources. Pressurized container. Do not pierce or burn, even after use.

**Response:** None required.

**Storage / Disposal:** Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

**Other:** Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**SECTION 3**  
**Composition/Information on Ingredients**

<b>COMPONENTS</b>	<b>CAS Number</b>	<b>Percent by weight</b>
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Deionized water	7732-18-5	65-75%
Sodium hydroxide	1310-73-2	2-4%
Isopropanol	67-63-0	2-4%
Surfactant	None	1.5-2.5%
Ethylene glycol monobutyl ether	111-76-2	1-1.5%
LPG	68476-85-7	25-35%

## SECTION 4 First Aid Measures

### First Aid Measures

<b>Immediate Medical Attention:</b>	Treat symptomatically. Primary routes of entry are skin contact, inhalation, ingestion and eye contact.
<b>Eyes</b>	Immediately flush eyes with plenty of water. Get medical attention if irritation persists.
<b>Skin</b>	Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.
<b>Ingestion</b>	Get medical attention immediately. If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
<b>Signs &amp; Symptoms Of Over Exposure:</b>	Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful. Prolonged or repeated skin contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Liquid aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Vapors are irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion. This material may be harmful or fatal if swallowed. Corrosive and may cause severe and permanent damage to mouth, throat and stomach. Overexposure may cause nervous system, lung and kidney damage.
<b>Special Treatment:</b>	Provide general supportive measures and treat symptomatically.

## SECTION 5 Fire Fighting Measures

<b>Extinguishing media</b>	Dry chemical, foam, carbon dioxide and water.
<b>Hazardous Combustion:</b>	Carbon monoxide, carbon dioxide. This product is combustible at high temperatures and toxic fumes; gases or vapors may evolve on burning.

**Protective Equipment and Precautions for firefighters:**

Use water spray to cool fire-exposed containers and as a protective screen. Wear full set of protective equipment including chemical goggles and gloves.

**Flammability per Flame Projection Test**

Not available.

## SECTION 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Isolate area. Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage systems or open water courses.

**Methods/materials for containment and cleanup:**

Contain the discharge material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Attempt to reclaim the free product, if this is possible.

**Environmental precautions:**

Do not allow the spilled product to enter public drainage systems or open water courses.

## SECTION 7 Handling and Storage

**Precautions for Safe Handling**

Avoid breathing fumes if this product is used at high temperatures. Keep away from potential sources of ignition. Wash hands thoroughly after handling and before eating.

**Conditions for Safe Storage**

Keep the container tightly closed and in a cool, well-ventilated place. Store away from strong oxidizers. Do not store this material in open and unlabeled containers.

## SECTION 8 Exposure Controls/Personal Protection

**Exposure Guidelines:**

If oil mists are generated, observe the OSHA exposure limit of 5 mg/m<sup>3</sup>. No ACGIH, NIOSH or OSHA exposure guidelines listed for the products components.

**Engineering Controls:**

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Use good industrial hygiene practices.

**Personal Protective Equipment:**

**Skin** Chemically resistant gloves

**Eyes** Wear safety goggles or face shield.

**Respiratory** Under normal conditions, respirator is not normally required.

## SECTION 9 Physical and Chemical Properties

**Appearance and Physical State:**

Transparent liquid

<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not available.
<b>pH:</b>	> 7.0
<b>Melting Point/Freezing Point:</b>	<0 °C
<b>Initial boiling point &amp; boiling range:</b>	>100°C
<b>Flash Point:</b>	Not available
<b>Evaporation rate:</b>	Very slow
<b>Flammability (solid, gas)</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapor pressure</b>	Compressed gas
<b>Vapor density</b>	1.5-2.0
<b>Relative density / Specific gravity</b>	0.99
<b>Water Solubility</b>	Soluble
<b>Partition Coefficient n-Octanol/Water</b>	Not Available.
<b>Auto-ignition Temperature:</b>	>480°C
<b>Decomposition Temperature:</b>	Not Available.
<b>Viscosity:</b>	Not Available.
<b>%-Volatile:</b>	1-10%

## SECTION 10 Stability and Reactivity

<b>Reactivity</b>	Product is non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable
<b>Possibility of hazardous reactions:</b>	Not available.
<b>Conditions to avoid (e.g. static discharge, shock or vibration):</b>	Avoid excessive heat and all sources of ignition.
<b>Incompatibilities:</b>	Strong oxidizing agents (peroxides, chlorine) and acids
<b>Hazardous decomposition products:</b>	Carbon dioxide, carbon monoxide.
<b>Hazardous polymerization:</b>	Will not occur

## SECTION 11 Toxicological Information

<b>Chronic Effects:</b>	No data available
<b>NTP Carcinogen:</b>	Not listed.
<b>IARC Carcinogen:</b>	Not listed.
<b>OSHA Carcinogen:</b>	Not listed.
<b>Teratogenicity:</b>	No data available for the product as a whole.
<b>Reproductive Effects:</b>	No data available for the product as a whole.
<b>Mutagenicity:</b>	No data available for the product as a whole.
<b>Other Information</b>	No data available for the product as a whole.

## SECTION 12 Ecological Information

<b>Ecotoxicity:</b>	No information is available. Keep product out of sewers and waterways.
<b>Persistence and Degradability:</b>	No information is available.
<b>Bioaccumulation Potential:</b>	No information is available.
<b>Mobility in Soil:</b>	No information is available.
<b>Other Adverse Effects:</b>	No information is available.

## SECTION 13 Disposal Considerations

<b>Storage and Disposal</b>	Keep the container tightly closed and in a cool, well-ventilated place. Store away from strong oxidizers. Do not store this material in open and unlabeled containers. Keep out of reach of children.
<b>Waste Disposal Method:</b>	Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

## SECTION 14 Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

<b>U.S. DOT</b>	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	May be shipped as a limited quantity
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable.
Special Precautions:	ERG#115	
<b>IMO/IMDG</b>	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	May be shipped as a limited quantity
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
Special Precautions:	EmS F-D, S-U	
<b>ICAO/IATA</b>	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols, flammable
	Hazard Class:	2.1
	Packing Group:	None
	Exceptions:	May be shipped as a limited quantity
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
Special Precautions:	None	

<b>Canada (TDG)</b>	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	May be reclassified as a limited quantity.
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
	Special Precautions:	ERG#115

## SECTION 15 Regulatory Information

All components of this product are listed on the US EPA TSCA Inventory. None of the components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4). All known (non-proprietary) components of this product are listed on the EINECS inventory of existing chemicals. None of this product's components are listed on the Canadian Controlled Product Ingredient Disclosure List.

## SECTION 16 Other Information

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.

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### ABBREVIATIONS:

NG="NOT GIVEN"	BT="BETWEEN"
<="LESS THAN"	>="GREATER THAN"
ND = Not Determined	NA = Not Applicable

*This information is intended to provide interpretative and authoritative information in regard to the subject matter covered as a service to our clients and has been answered to the best of our ability based on the information provided to us. We do not guarantee the accuracy or completeness of any such interpretation or information, however, nor do we warrant that compliance with any advice we provide will guarantee compliance with any legal or regulatory requirements. Our statements or opinions do not convey legal interpretation and government authorities or legal counsel should be contacted for such a response.*