

# MATERIAL SAFETY DATA SHEET

**Product:** MFA 31  
**Product No.:** 89

**Manufacturer's Name:** PCI Group, Inc.  
5424 South 39<sup>th</sup> Street  
Phoenix, AZ 85040

## SECTION 1 -- PRODUCT IDENTITY

**Date Prepared:** JANUARY 2010

**Emergency Telephone Numbers**

**US & Canada** 800-255-3924

**International** 813-979-0626

**Preparer's Name:** PCI Group, Inc.

**HMIS INFORMATION**

**Health** 2

**Flammability** 2

**Reactivity** 0

**Personal Protection** H

**Chemical Name:** N/A - Product is a mixture

**Chemical Formula:** N/A - Product is a mixture

**DOT Shipping Class:** Not Regulated

## SECTION II -- HAZARDOUS INGREDIENTS

Chemical & Common Name	CAS#	WT%	OSHA PEL	ACGIH TLV	OTHER
* Ethylene Glycol Monobutyl Ether	111-76-2	33%	25 ppm	25 ppm	

\* Denotes a reportable chemical under 40 CFR 372, SARA Title III Section 313.

## SECTION III -- PHYSICAL CHARACTERISTICS

**Boiling Range:** N/AV

**Relative Density:** .99 @ 25 C

**Vapor Pressure:** N/AV

**Evaporation Rate (BuOAc=1):**

**Vapor Density:** 4.1 (air=1)

**Solubility In Water:** Complete

**Odor:** Ether like

## SECTION IV -- FIRE & EXPLOSION DATA

**Flash Point:** 143 F (Method: TCC)

**Flammable Limits:** Lower N/AV / Upper N/AV

**Extinguishing Media:** Use water fog, foam, dry chemical. Do not use direct stream of water, product will float and be reignited on surface of water.

**Special Fire Fighting Procedures:** Do not enter confined fire space without full bunker gear. Including NIOSH approved self-contained breathing apparatus. Cool fire-exposed containers with water.

**Unusual Fire & Explosion Hazards:** Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture.

**Reactivity:** Product is stable.

**Hazardous Polymerization:** Will not occur.

**Conditions To Avoid:** Avoid, heat, flame and contact with strong oxidizing agents.

**Materials To Avoid:** None Known.

**Hazardous Decomposition Products:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

## SECTION V – HEALTH HAZARD DATA

### ACUTE HEALTH EFFECTS

**Eye Contact:** May cause redness, irritation. Flush with water for 15 minutes.

**Inhalation:** Prolonged exposure in poorly ventilated areas may irritate nasal mucous membranes.

*Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits, use NIOSH approved respirator to prevent overexposure.*

**Ingestion:** May cause gastrointestinal irritation. Contact a Physician. Do NOT induce vomiting.

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

## EMERGENCY FIRST AID PROCEDURES

**Eye Contact:** Flush with water for at least 15 minutes; if irritation persists, get medical attention.

**Inhalation:** Remove to fresh air and provide oxygen if needed. Get medical attention if breathing difficulties persist.

**Ingestion:** Do NOT induce vomiting. Call a Physician.

**Skin Contact:** Remove contaminated clothing. Flush skin with water followed by soap and water.

**Aggravated Medical Conditions:** Preexisting skin, eye and lung disorders may be aggravated by exposure.

## SECTION VI -- SPILL OR LEAK PROCEDURES

**Steps To Be Taken In Case Material Is Spilled Or Released:** Soak up spill with absorbent material. Eliminate all sources of ignition. Wear appropriate respirator and protective clothing.

**Waste Disposal Method:** Dispose of in accordance with all applicable federal, state and local regulations.

## SECTION VII -- SPECIAL PROTECTION DATA

**Respiratory Protection:** None required with adequate room ventilation.

**Ventilation:** Local exhaust.

**Protective Gloves:** Rubber or plastic chemical resistant.

**Eye Protection:** Goggles or face shield.

**Other Protective Equipment:** Plastic apron, if contact is likely. Eyewash station should be available.

**Additional:** Use explosion-proof ventilation as required to control vapor concentrations.

## SECTION VIII -- STORAGE & HANDLING DATA

**Precautions To Be Taken In Handling And Storage:** Keep away from sources of ignition. Store in original container; keep tightly closed. Do not reuse container for other purposes.

**Other Precautions:** KEEP OUT OF REACH OF CHILDREN.

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The information contained herein is based on the data available to us and is believed to be correct. However; PCI Group, Inc. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. PCI Group, Inc. assumes no responsibility for injury from the use of the product described herein.

This MSDS conforms with OSHA Hazard Communication Standard 1900.1210 and to SARA Title III Section 313 for supplier notification.

