

PATCO FPA

ACID REPLACEMENT CLEANER



PATCO FPA

NEW REVOLUTIONARY, BREAKTHROUGH FORMULA

PATCO FPA is a safe, totally natural, multifunctional cleaning product that combines the high cleaning performance of acids with the mildness of liquid dish soap, providing an unprecedented level of safety in the workplace for both operators and surfaces. *PATCO FPA* is the ideal choice for washrooms, kitchens, building maintenance, food and beverage processing plants, transportation, pool and spa, and wherever acids are being used. *PATCO FPA* removes:

rust • calcium (hard water scale) • lime • soap scum
mold • mildew • grease • beer stone • milk stone

PATCO FPA cleans:

ceramic • tile • grouting • stainless steel
aluminum • copper • brass • concrete
terrazzo • porcelain • brick • fiberglass

PATCO FPA features and benefits:

- ▶ **safe:** acid-free, non-corrosive, non-caustic, harmless to skin; does not pit, streak or blacken metals such as aluminum
- ▶ **high performance:** cleans with the power of an acid; ideal choice to replace hydrochloric and phosphoric acids
- ▶ **cost effective:** easy to use, fast, labor saving, special clinging action allows for longer dwell time, reduces inventory
- ▶ **environmentally safe:** non-toxic, 100% biodegradable, reduces environmental impact, totally natural, creates a socially responsible company image

PATCO FPA gets the job done safely!
Science and nature working together.

PATCO

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MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Manufacturer's Name **Patco** **Product Name** **Patco FPA**
Address **7710 Maitlage Drive, Liverpool, NY 13090**
Emergency Telephone No. and Other Information Calls **(315) 652-4741 or Chemtrec (800) 424-9300**

SECTION II - HAZARDOUS INGREDIENTS

Substance	Approx %	OSHA PEL	ACGIH TLV	302	EPA 40 CFR:		CAS #
					355	372	
Organic Salt	10.00 - 20.00	N/E	N/E	N	N	N	506-89-8
2-Butoxyethanol	1.00 - 3.00	25 ppm (skin)	25 ppm (skin)	Y	N	Y	111-76-2

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
 N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
 302: CERCLA List of Hazardous Substances and Reportable Quantities (40CFR 302.4).
 355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
 372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know (40 CFR 372)).

SECTION III - PHYSICAL DATA

BOILING POINT (°F): 212 **SPECIFIC GRAVITY: (water = 1):** 1.06
VAPOR PRESSURE (mm Hg): N/D **VOC CONTENT (% by weight):** N/D
VAPOR DENSITY (AIR = 1): N/D **EVAPORATION RATE (water =1):** 1.00
SOLUBILITY IN WATER: Soluble **pH:** 0.2 - 1.2
APPEARANCE AND ODOR: Clear, dark green liquid; pleasant odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°F): N/A **TEST METHOD:** Closed cup **FLAMMABLE LIMITS IN AIR (VOLUME %):** UPPER - N/A LOWER - N/A
EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARD: Hydrogen gas may be released upon contact with certain metals at sustained temperatures above 140°F.

SECTION V - REACTIVITY DATA

STABILITY: Stable **INCOMPATIBILITY:** Strong oxidizers and alkalies, chloriates, nitrates. **CONDITIONS TO AVOID:** Excess heat and open flame.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon, nitrogen and chlorine.
HAZARDOUS POLYMERIZATION: Will not occur. **CONDITIONS TO AVOID:** None.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION: EYE CONTACT: X SKIN CONTACT: X INGESTION: X
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.
EFFECTS OF OVEREXPOSURE:
IF IN EYES: May be painful and irritating.
IF ON SKIN: Irritation, with prolonged or repeated exposure. Non-corrosive to skin.
IF SWALLOWED: May be harmful if ingested.
IF INHALED: Irritation to the respiratory tract.
EMERGENCY AND FIRST AID PROCEDURES:
IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.
IF ON SKIN: Wash with soap and water. Remove contaminated clothing and launder separately before reuse. If irritation persists, obtain medical attention.
IF SWALLOWED: Contact physician or poison control center immediately. Give affected person 3 to 4 glasses of water to dilute. Do not induce vomiting. Never give anything by mouth to an unconscious person.
IF INHALED: Remove person to fresh air. If breathing has stopped administer artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

SECTION VII - SPILL OR LEAK PROTECTION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spill and ventilate area. Soak up spilled material with inert absorbent material and place in properly labeled container for disposal.
WASTE DISPOSAL METHOD: Consult local environmental authorities.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists.
VENTILATION: LOCAL EXHAUST: Recommended. **MECHANICAL:** Not Required.
PROTECTIVE GLOVES: Chemical resistant recommended. **EYE PROTECTION:** Safety glasses or chemical goggles recommended. **OTHER PROTECTIVE EQUIPMENT:** Safety shower and eye wash station, protective clothing. **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place, away from alkaline products. Keep container tightly closed when not in use. **OTHER PRECAUTIONS:** Keep out of reach of children.

SECTION IX - TRANSPORTATION INFORMATION

DOT INFORMATION: None.
DOT PROPER SHIPPING NAME: None.
DOT CLASS: None. **DOT ID NUMBER:** None. **DOT PACKAGING GROUP:** None.

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET.

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Please refer to full MSDS for the most up-to-date information.

HMIS
HAZARD
RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	

HMIS
 Severe 4
 Serious 3
 Moderate 2
 Slight 1
 Minimal 0

NFPA
 Extreme
 High
 Moderate
 Slight
 Insignificant

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

NFPA
HAZARD
RATING