



**Section 1 – Product & Company Identification**

Product Name: **Pro-Clean**  
 Product ID Number: 447  
 Product Use: Tile & Grout Cleaner  
 EPA Reg. Number: N/A  
 Manufacturer: Arrow Chemical Products, Inc.  
 2067 Ste. Anne  
 Detroit, MI 48216  
 Telephone: 313-237-0277  
 Numbers: 24 hr. Emergency Assistance: Infotrac 1-800-535-5053

**Section 2 – Composition/Information on Ingredients**

INGREDIENT	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Phosphoric Acid	7664-38-2	30% - 50%	PEL, T.L.V.: 1 mg/m <sup>3</sup> S.T.E.L.: 3 mg/m <sup>3</sup>	Not Established

**Section 3 – Hazards Identification**

**Emergency Overview:**

**Potential Health Effects:**

Acute: Corrosive to eyes & skin. Causes irreversible eye damage and skin burns. Fatal if swallowed. Avoid breathing vapor or mist.  
 Chronic: None known based on OSHA Criteria.  
 Carcinogenic Effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

**Section 4 – First Aid Measures**

Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  
 Skin/Clothing: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control or doctor for treatment advice.  
 Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.  
 Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person..  
 Note to Physician: N/A

**Section 5 – Fire Fighting Measures**

Hazardous Combustion Products: None known  
 Extinguishing Media: Water or suitable material for primary source of fire.  
 Fire Fighting Equipment & Instructions: Use OSHA approved self-contained breathing apparatus and protective clothing when any material is involved in a fire.  
 Remarks on Explosion Hazard: None expected.

**Section 6 – Accidental Release Measures**

**Spill and Leak Procedures**

Spills: Absorb spilled material and sweep up.  
 Personal Protection for Large Spills: Rubber gloves or other impervious gloves. Chemical anti-splash goggles. Full face shield and rubber footwear.

**Section 7 – Handling & Storage**

Handling Procedures: Keep container closed when not in use. Avoid contact with eyes. Wash thoroughly after handling.  
 Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Store in a dry place no lower in temperature than 50° F or higher than 120° F, Store in a tightly secure area inaccessible to children.  
 Incompatibility: Oxidizing agents, alkalis, metal, and heat.

**Section 8 – Exposure Controls/Personal Protection**

Engineering Controls: Good general ventilation should be sufficient.

**Personal Protective Equipment:**

Eyes/Face: Chemical anti-splash goggles.  
 Skin: Rubber gloves or other impervious gloves.  
 Respiratory: No special equipment needed.  
 The following ingredients have established exposure guidelines:

INGREDIENT:	EXPOSURE GUIDELINE	GUIDELINE VALUE
NONE		

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

**Section 9 – Physical & Chemical Properties**

Flash Point: N/A  
 Specific Gravity: 1.238  
 Melting/Freezing Point: N/A  
 VOC Content: N/A  
 Evaporation Rate (Butyl acetate = 1): 1  
 pH: <1  
 Solubility: Complete  
 Flammable Limits: N/A  
 Explosion Hazards: None known  
 Appearance and Odor: Yellow Liquid, Acid Odor



## Section 10: Stability & Reactivity

Chemical Stability: Stable Conditions to avoid: Excessive heat and contamination of any kind.  
Incompatibilities: Strong alkalis, bleach.  
Hazardous Decomposition: Heating phosphoric acid to decomposition yields toxic phosphorus pentoxide fumes.  
Hazardous Polymerization: Will not occur.

## Section 11 – Toxicological Information

Routes of Entry: Eyes, Skin, Ingestion, Inhalation  
Carcinogenicity: No Carcinogenicity data available for this product.  
Toxicity to Animals: No data  
Acute Effects on Humans:  
Primary Skin: Corrosive to skin. Causes skin burns.  
Primary Eye: Corrosive to eyes. Causes irreversible eye damage.  
Inhalation: Harmful if inhaled  
Ingestion: Fatal if swallowed.

## CHEMICAL INGREDIENTS LISTED AS POTENTIAL OR KNOWN CARCINOGENS

INGREDIENT	OSHA	NTP	IARC
No ingredients listed in this section.			

## Section 12 – Ecological Information

Ecotoxicity: No data available for this product.  
Environmental Fate: No Data.

## Section 13 – Disposal Considerations

**Disposal Instructions:** Do not reuse container. Triple rinse empty container with water. Plastic containers may be offered for recycling. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## Section 14 – Transportation Information

**DOT Hazard Class:** 8  
**DOT Proper Shipping Name:** Phosphoric Acid Solution  
**TDG Classification:** Phosphoric Acid Solution 8, UN1805, PGIII

## Section 15 – Regulatory Information

**TSCA Status**  
All ingredients are listed on the TSCA Chemical Inventory.  
**DSL/NDSL:** All components listed unless noted elsewhere on this MSDS.  
**CERCLA/SARA**  
**SARA Title III, Sections 311/312** – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370: Classification of this product:  
**SARA Title 313** – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

CHEMICAL NAME	CAS NO.	MAXIMUM CONCENTRATION	COMMENT
---------------	---------	-----------------------	---------

No ingredients listed in this section.

**Reportable Quantities/Threshold Planning Quantities:** CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs). SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

CHEMICAL NAME	REPORTABLE QUANTITY (RQ)	THRESHOLD PLANNING QUANTITY (TPQ)
Phosphoric Acid	5,000 lbs.	

### State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

CHEMICAL NAME	STATE LIST
None	None
AZ – Arizona Ambient Air Quality Guidelines	IL – Illinois Toxic Air Contaminant – Carcinogenic
CT – Connecticut Hazardous Air Pollutants	MA – Massachusetts Right to Know List
CA – California Director's List of Hazardous Substances	MN – Minnesota Hazardous Substance List
CA65C – California Prop 65 Carcinogen	NJ – New Jersey Right to Know List
CA65R – California Prop 65 Reproductive Toxin	PA – Pennsylvania Right to Know List
FL – Florida Substances List	RI – Rhode Island Hazardous Substance List
ID – Idaho Non-carcinogen Toxic Air Pollutants	

**WHMIS Classification:** Not controlled under WHMIS (Canada).

## Section 16 – Other Information

### Hazard Ratings

Hazard Rating Scale:

Hazard Rating Scale:

4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>1</b>

The seller makes no warranty expressed or implied concerning the accuracy of any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.