



P-22

Acid Cleaner

DESCRIPTION

P-22 is a specially designed, acid based product for cleaning and brightening stainless steel, aluminum, ceramic tile and arborite type surfaces. **P-22** also removes scale, stain and other mineral deposits from chemical lines.

DIRECTIONS

Dilute **P-22** from 1- 5 to 1-30 parts with water. Apply to surface to be cleaned and then rinse.

Use only on acid resistant surfaces.

PHYSICAL DATA

Appearance	Liquid
Color	Blue
Odor	Mild, indistinct
Foam	Moderate
pH	Acidic

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **P-22 ACID CLEANER**
Product Use: *Mild Acid Detergent Cleaner*

WHMIS CODE: E
Proper Shipping Name: Phosphoric Acid Liquid Solution
Hazard Class: Class 8, P.G. III
UN Number: UN 1805

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EMERGENCY PHONE
Canada: Canutec 613-996-6666

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	TLV
ORTHOPHOSPHORIC ACID	7664-38-2	30.0-40.0	1 ppm
LD50 (oral, rat):	3500 mg/kg		
LD50 (dermal):	1260 mg/kg		
LC50:	Not available		
HYDROXYACETIC ACID	79-14-1	1.5-5.0	
LD50 (oral, rat):	1950 mg/kg		
LD50 (dermal):	Not available		
LC50 (inhalation, rat):	7.7 mg/L/4 hr		
ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3	1.5-5.0	
LD50 (oral, rat):	>500-5000 mg/kg		
LD50 (dermal):	>200-20000 mg/kg		
LC50:	Not available		

SECTION 3 – PHYSICAL DATA

Color and Odor: Blue, no specific odor
Physical State: Liquid
Coeff. Water/Oil Dist: Greater than 1.0
Boiling Point: N/D
Melting Point: N/D
Evaporation Rate: N/D
Vapor Pressure: N/D
Vapor Density: N/D
Solubility in Water: Soluble
pH: 1.3
Specific Gravity: 1.26
Odor Threshold: N/D

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to boiling
Flammable Limits: None known.
Extinguishing Media: Water, fog, carbon dioxide, foam or dry chemical. Use extinguishing media suitable for surrounding fires.
Unusual Fire and Explosion Hazards: None
Hazardous Combustion Products: None
Special Fire Fighting: Wear full protective equipment including self contained breathing apparatus for fire fighting situation

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable,
Incompatibility (material to avoid): Avoid contact with strong alkalis or metals like aluminum, zinc, etc.
Hazardous Decomposition Products: Flammable hydrogen gas may be produced in contact with some metals. Oxides of phosphorus under fire conditions may be produced.
Hazardous Polymerization: Will not occur.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient.
Irritancy of Product: The product is irritant and corrosive.
Sensitization: None known.
Name of Toxicological Synergistic Product: None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure will cause skin damage
Effects of Acute Exposure to Product: Corrosive. Product exposure will cause damage or burns to eyes and skin in concentrated form. If inhaled (vapor/mist) will cause respiratory tract irritation. May aggravate previously existing respiratory and skin conditions by overexposure. If ingested may cause burns to mouth, gastrointestinal tract, nausea and vomiting..
Routes of Entry: Skin and eye contact, inhalation, ingestion
Carcinogenicity: None known.
Mutagenicity: None known.
Reproductive Toxicity: None known.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Use a NIOSH/MSHA approved acid mist respirator, if inhalation of concentrated product is likely. Avoid inhalation of acid
Ventilation: Good general ventilation or local exhaust ventilation for dust generated in confined areas
Protective Gloves: Use rubber or plastic gloves as required
Eye Protection: Chemical goggles, safety glasses or face shield.
Protective Clothing and Equipment: Long sleeves coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Store in a cool, dry place away from incompatible materials. Keep container closed when not in use. Do not mix with any other chemicals. Avoid contact with skin, eyes and clothing. Use good industrial hygiene. Store at temperatures below 30°C (86°F).
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spill into an approved waste container. For small spills soak up with suitable absorbent and dispose into an approved waste container. Keep material away from sewers and natural waters.
Waste Disposal Method: Reuse if possible, otherwise dispose recovered material in accordance with all local provincial and federal regulations
Special Shipping Information: Store at temperatures below 30°C (86°F).

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division

PHONE: (306) 347-0444

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THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE