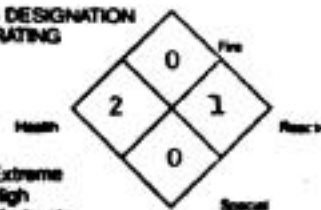


# MATERIAL SAFETY DATA SHEET

NFPA 704 DESIGNATION  
HAZARD RATING



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

## I. PRODUCT IDENTIFICATION

TRADE NAME: EDFRED TOILET BOWL CLEANER (71836)

MANUFACTURER: Edfred Chemical Corporation Phone: (408) 286-0493  
639 Tully Rd., Bldg. D  
San Jose, CA 95111 Date: 1/1/95

## II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	%	Exposure Limits in Air	
			ACGIH TLV	OTHER
Phosphoric Acid	7664-38-2	15	1PPM	TWA-1mg/m <sup>3</sup> STEL 3mg/m <sup>3</sup>
Nonionic Surfactant	68412-54-4	1	NE	
Water	7732-18-5	84	NE	

## III. PHYSICAL PROPERTIES

Evaporation Rate (Water 1): 1 Formula: H<sub>3</sub>PO<sub>4</sub> And Water  
Vapor pressure (mm Hg): Very Low Boiling Point, (°F): 213°  
Specific Gravity (H<sub>2</sub>O = 1): 1.13 Vapor Density (AIR = 1): Not Known  
Solubility in Water: Infinite - Some Water Would Evaporate from Acid Solution.  
Appearance and Odor: Light Green Color - Lemon/Lime Odor

## IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point, (Method Used) Nonflammable

Flammable Limits in Air, Volume %: N/A Lower (LEL) N/A Upper (UEL) N/A

Fire Extinguishing Materials:

Water Spray  Carbon Dioxide  Foam  Dry Chemical

Special Firefighting Procedures: Corrosive: Phosphoric Acid - Under Fire  
Conditions may Give Irritating Phosphorous Oxide.

Unusual Fire and Explosion Hazards: In Contact With Metal, Will Evolve Hydrogen  
Gas Which is Flammable With Air.

### V. REACTIVITY DATA

Stability:  X  Stable   Unstable

Conditions to Avoid:  Oxidizers (Bleach)

Incompatibility (Materials to Avoid):  Oxidizers (Bleach) - Metals (Hydrogen Gas may Evolve.)

Hazardous Decomposition Products or Byproducts:  N/A

Hazardous Polymerization:   May Occur  X  Will Not Occur

Conditions to Avoid:  None

### VI. HEALTH HAZARD DATA

Routes of Entry:  X  Inhalation?  X  Skin?  X  Ingestion?

Signs and Symptoms of Exposure:  Corrosive - Causes Burns. Do Not get in Eyes, on Skin, Avoid Breathing Mist. Ingestion: Severe Internal Irritation and Severe Burns of Mouth and Throat.

Carcinogenicity: NTP?  No  IARC?  No  OSHA?  No

Emergency and First Aid Procedures:  For Contact with Skin and Eyes, Flush With Water for 15 Minutes. If Irritation Persists, Get Medical Attention. Ingestion: If Swallowed, Do Not Induce Vomiting. Give Large Quantity of Water. Get Medical Attention.

### VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:  For Small Spills: Neutralize Spill with Soda Ash and Flush Area with Copious Amounts of Water. Exercise Caution. Dispose to Drain as Permitted by Local Regulations.

Waste Disposal Method:  Large Spills: Should be Handled According to a Pre-determined Plan in Accordance with Local, State and Federal Regulations.

Precautions to be Taken in Handling and Storing:  Store in Cool Dry Area. Corrosive Material. Protect Package Integrity.

Other Precautions:  Do Not Mix with Bleach, Household Cleaners, or Any Material Containing Chlorine. Keep Out of Reach of Children.

### VII. SPECIAL PROTECTION INFORMATION

Respiratory Protection:  None Needed  Protective Gloves:  Rubber Gloves

Ventilation:  Okay  Local Exhaust  No  Mechanical  No  Special  No  Other

Eye Protection:  Safety Goggles  Other Protection:  None