

# ROYAL SOAP & CHEMICAL CO., INC.

16057 FOOTHILL BLVD.

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## MATERIAL SAFETY DATA SHEET

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Product Name: LOYAL KLINGON BOWL CLEANER  
Chemical or Common Name: HARD SURFACE CLEANER  
Prepared By: JEFFERY ADLER

Product Code: 8020-8021  
Date Issued:01/01/96  
Supersedes:05/25/91

### 1. Hazardous Information

Chemical Name	Cas Numbers	Weight %	Exposure Information
Phosphoric Acid	7664-38-2	18	None
Surfactants	26027-38-3	6-11	

These materials marked with an \* are subject to the reporting requirements under the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III, Section 313 and CFR Part 372

### 2. Physical Data

Solubility in Water: Complete	Specific Gravity (Water = 1): 1.10	Melting or Freezing Point: ND
Boiling Point: ND	Vapor Density (air = 1): 100-300	Viscosity:ND
Percent Volatile (By Wt): ND	pH: 1.0 ± .5	Appearance-Odor: Viscous green liquid with a pleasant odor
Vapor Pressure (MM HG): ND	Evaporation Rate (BU AC = 1): ND	

### 3. Fire and Explosion Data

**Extinguishing Media** Foam X CO2 X Dry Chemical X water Fog X Other

Flash Point: ND

Auto ignition Temp: ND

Lower Explosion Limit: ND

**Special Fire Fighting Procedures:** Normal fire fighting procedures may be used. Cool and use caution when approaching or handling fire exposed containers.

**Unusual Fire & Explosion Hazards:** Corrosive material. Container may burst in heat or fire.

### 4. Health Data

Recommended Health Guide TWA (Maximum Time Weighted Average Concentration For An 8 Hour Work Period). **ND**

**Effects of Overexposure:** SKIN: Direct contact of product with skin can cause possible irritation. EYE: Direct contact with eyes can cause severe irritation and damage. INGESTION: Product may cause corrosive damage to mouth, throat or stomach.

#### Emergency and First Aid Procedures

**Inhalation:** If difficulty or discomfort in breathing is experienced, remove to fresh air and get medical attention.**Eye & Skin Contact:** Flush eyes with water for 15 minutes. If irritation persists, consult a physician. Wash skin thoroughly. If irritation persists, consult a physician.**Ingestion:** Do not induce vomiting. Drink large quantities of water or milk. Call a physician immediately.

## 5. Reactivity Data

**Stability:** STABLE

**Conditions To Avoid:** NONE NOTED

**Hazardous Decomposition Products:**When exposed to fire , produces normal products of combustion.

**Hazardous Polymerization:** WILL OCCUR

**Conditions To Avoid:** NONE NOTED

**Incompatibility (Materials To Avoid):** OXIDIZING MATERIALS, CAUSTIC MATERIALS.

## 6. Spill or Leak Procedure

**Steps to be taken if material is released or spilled:** Dike large spills. Absorb with absorbent material. Sweep up and Containerize. Rinse affected area with water.

**Waste Disposal Information:** For undiluted material disposal is regulated under the Resource Conservation and Recovery act as corrosive waste. Disposal for regulated quantities by neutralization at a permitted facility in accordance with all Federal, State and Local regulations.

## 7. Special Protection Information

**Respiratory Protection (Specify Type):** No special requirements under normal use. If mist/vapors are not adequately controlled by local ventilation, use appropriate respiratory protection to prevent overexposure.

**Ventilation:** Normal room ventilation should be adequate.

**Protective Gloves:** Rubber or PVC

**Eye Protection:** Splash proof goggles where eye contact may occur.

**Other Protective Information:** If available

## 8. Special Precautions

**Precautionary Labeling:** Keep out of the reach of children. Avoid eye contact. Wash hands after using material.

**Other Handling And Storage Conditions:** Store in a cool dry area.

## 9. Additional Information

Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they are full.

## 10. Health Hazard Rating

0-Insignificant	1-Slight	2-Moderate	3-High	4-Extreme
Health 3	Fire 0	Reactivity 1	Special Acid	

**NA-** Not Applicable **ND-** Not Determined

All information, recommendations and suggestions appearing herein concerning this product are based upon data obtained from manufacturer and or recognized technical sources; however, Royal Soap & Chemical Co., Inc. makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein.

**\*DOT DESCRIPTION:** COMPOUND, CLEANING LIQUID (PHOSPHORIC ACID), 8, NA 1760, II