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MATERIAL SAFETY DATA SHEET

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LOYAL® KLINGON BOWL CLEANER

Chemical or Common Name: HARD SURFACE CLEANER

Prepared By: JEFFERY ADLER

Product Name:

Product Code: 8020-8021

Date Issued: 11/08/05

Supersedes: New

Chemical Name	Cas Numbers	Weight %	Exposure Information
Phosphoric Acid	7664-38-2	11-15	None
Surfactants	26027-38-3	6-11	

1. Hazardous Information

Solubility in Water: Complete

Boiling Point: ND

Percent Volatile (By Wt): ND

Vapor Pressure (MM HG): ND

Specific Gravity (Water=1): 1.10

Vapor Density (air=1): 100-300

pH: 1.0 ± .5

Evaporation Rate (BU AC=1): ND

Melting or Freezing Point: ND

Viscosity: ND

Appearance-Odor: Viscous green liquid with a pleasant odor

2. Physical Data

Flash Point: ND

Auto ignition Temp: ND

Lower Explosion Limit: ND Upper Explosion Limit: ND

3. Fire and Explosion Data

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

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 Solutions, 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