

**ROYAL SOAP & CHEMICAL CO., INC.**

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**MATERIAL SAFETY DATA SHEET**

page 1 of 2

Product Name: LOYAL MA 45C CONCRETE CLEANER

Product Code: 4011

Chemical or Common Name: HARD SURFACE CLEANER

Date Issued:08/05/02

Prepared By: JEFF ADLER

Supercedes:01/01/96

**1. Hazardous Information**

Chemical Name	Cas Numbers	Weight %	Exposure Information
Sodium Metasilicate	6834-92-0	58-63	None
Glycol Ether EB	111-76-2	0-5	25 PEL SKIN 25 TLV SKIN

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): ND

Evaporation Rate (BU AC = 1): ND

Boiling Point: ND

Vapor Density (air = 1): ND

Melting or Freezing Point: ND

Percent Volatile (By Wt): ND

pH: 1% 12.58 ± .5

Viscosity:ND

Vapor Pressure (MM HG): ND

Appearance-Odor: Orange powder

**3. Fire and Explosion Data**

Flash Point: ND

Lower Explosion Limit: ND

Upper Explosion Limit: ND

Auto ignition Temp: ND

**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:** None Noted

**4. Health Data**

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

**Effects of Overexposure:** SKIN: Possible skin rash. EYE: mild irritation cause irritation and nausea if taken internally. Prolonged or repeated contact of product with skin may cause irritation. Product spray or mist may cause irritation to nose, throat and lungs, it adequate ventilation is not employed.

**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 NOT OCCUR

**Conditions To Avoid:** NONE NOTED

**Incompatibility (Materials To Avoid):** MOISTURE

## 6. Spill or Leak Procedure

**Steps to be taken if material is released or spilled:** 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. Keep undiluted material out of the sewer system and water system.

## 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 2	Fire 0	Reactivity 1	Special 0	

**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.