

**MATERIAL SAFETY DATA SHEET**



Product Name: Royal 6

Date prepared: April 15, 2009

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Royal 6  
**Product Class:** Phosphate free water-based cleaner  
**Manufacturer:** Southern Chem Industries, Inc for  
Royal Chemical Corporation  
22217 M Engineers Road  
Belle Chasse, LA 70037 USA  
  
Telephone: (504) 394-0026  
Fax: (985) 652-4719  
  
**Emergency Contact:** ChemTrec @ (800) 424-9300

**SECTION 2 - HAZARDS IDENTIFICATION**

\*\*\*\*\* **EMERGENCY OVERVIEW** \*\*\*\*\*

**Caution!** Product is a clear Green colored liquid. It causes irritation to the skin and eyes. High concentrations of vapors can cause irritation to the eyes and respiratory tract.

Avoid contact with skin, eyes and clothing. Wear protective goggles and gloves when handling this product. Avoid inhalation of vapors. Wash thoroughly after handling.

\*\*\*\*\*

**POTENTIAL HEALTH EFFECTS**

**LIKELY ROUTES OF EXPOSURE:**

Eye and skin contact, inhalation

**EYES:**

Liquid can cause irritation that may be severe. High concentrations of vapors can cause irritation.

**SKIN:**

Can cause irritation, defatting and dermatitis. Persons with pre-existing skin conditions may be particularly susceptible.

**INGESTION (swallowing):**

Can cause irritation and nausea.

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**SECTION 2 - HAZARDS IDENTIFICATION (Continued)**

**INHALATION (breathing):**

Excessive inhalation of vapors or mists, especially when handling heated material or when spraying this product, may cause irritation to the nose, throat and respiratory tract.

**CHRONIC EFFECTS/CARCINOGENICITY:**

This product (or components >0.1%) is not listed in IARC Monographs, the NTP Eleventh Report on Carcinogens or the current ACGIH TLVs as a carcinogen or potential carcinogen. OSHA does not regulate it as a carcinogen.

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>%</u>	<u>CAS No.</u>
Glycol Ether EB	<5	111-76-2

This is a bio-degradable non-phenolic, phosphate free detergent.

This component is subject to the reporting requirements of SARA Title 313.

All other components in this product are considered nonhazardous according to the following references:

- 29CFR Part 1910, Subpart Z(OSHA) Toxic and Hazardous Substances
- 40CFR Part 355, Appendix A (Extremely Hazardous Substances) EPA
- ACGH1 TLV for Chemical Substances
- NTP Annual Report on Carcinogens
- Supplier: Material Safety Data Sheets
- California - Proposition 65

We certify that all components of this product are registered under regulations of the Toxic Substances Act.

**SECTION 4 - FIRST AID MEASURES**

**EYE CONTACT:**

Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention. Do not use chemical antidote.

**SKIN CONTACT:**

Wash exposed area with soap and water for at least 15 minutes. Remove contaminated clothing and launder before re-use.

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### SECTION 4 – FIRST AID MEASURES (CONTINUED)

#### INGESTION (swallowing):

Immediately drink two large glasses of water. Do **not** induce vomiting. Never give anything by mouth to an unconscious person. Contact a physician.

#### INHALATION (breathing):

If affected, move to fresh air. If breathing has stopped, give artificial respiration and call a physician.

### SECTION 5 – FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES:

This product contains a large quantity of water, and would not, under normal circumstances, burn.

#### EXTINGUISHING MEDIA:

Use water fog, foam, dry chemical or carbon dioxide as suitable for other materials involved in the fire.

#### PROTECTION OF FIREFIGHTERS:

Keep personnel removed from and upwind. Wear full protective clothing and self-contained breathing apparatus with full face-piece.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

Persons not wearing protective equipment should be excluded from the area of the spill until clean up has been completed. Dike area of spill with sand or dirt to prevent spreading. Pump liquid to a salvage tank for treatment and disposal. Remaining liquid should be absorbed on absorbent material and shoveled into containers.

### SECTION 7 - HANDLING AND STORAGE

#### HANDLING:

Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors. Wash thoroughly after handling.

Section 7 continued on next page

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## SECTION 7 - HANDLING AND STORAGE (CONTINUED)

### STORAGE:

Keep in tightly closed containers when not in use. Store in a place with adequate ventilation at temperatures above 35° F (2° C). Store in plastic or lined containers.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

Glycol Ether EB  
(CAS# 111-76-2)

OSHA PEL - 50 ppm (skin)  
ACGIH TLV - 25 ppm (skin)

### ENGINEERING CONTROLS:

Provide sufficient ventilation to maintain exposure below established exposure limits.

### EYE / FACE PROTECTION:

Chemical splash goggles in compliance with OSHA regulations are advised.

### SKIN PROTECTION:

Wear protective gloves, such as rubber.

### RESPIRATORY PROTECTION:

Not required under normal conditions of use; however a NIOSH/MSHA approved supplied air respirator or canister-type respirator equipped with an organic vapor cartridge is recommended if exposure exceeds established exposure limits.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear green-colored liquid @ 77° F  
(25° C)

**Odor:** none

**Specific Gravity (H<sub>2</sub>O=1):** 1.018

**Vapor Pressure (mm Hg):** Unavailable

**Initial Boiling Point:** >200° F (93° C)

**Evaporation Rate:** Slower  
(Ethyl Ether = 1)

**Solubility in Water:** 100%

**Volatile %:** >90

**pH:** Unavailable

**Flash Point:** None

**Upper Explosion Limit:** Unavailable

**Lower Explosion Limit:** Unavailable

**Auto ignition Temperature:** Unavailable

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**SECTION 10 – STABILITY AND REACTIVITY**

**STABILITY (conditions to avoid):**

Stable under normal conditions (70° F (21° C) and 14.7 psig (760 mm Hg))

**INCOMPATIBILITIES (materials to avoid):**

Avoid contact with oxidizers and strong reducing agents.

**DECOMPOSITION:**

Unavailable

**HAZARDOUS POLYMERIZATION:** Not known to occur

**SECTION 11 - TOXICOLOGICAL INFORMATION**

No data available for this product

**SECTION 12 - ECOLOGICAL INFORMATION**

No data available

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all applicable local, state and federal regulations. Material should be sent to a waste treatment facility for dewatering and disposal.

This product, if disposed of, is not considered a hazardous waste current RCRA regulations.

**SECTION 14 - TRANSPORT INFORMATION**

Not regulated under current U.S DOT, TDG (Canadian), ICAO (air) or IMO (water) transport regulations.

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## SECTION 15 - REGULATORY INFORMATION

### TSCA:

All components in this product are in compliance with U.S. TSCA Inventory requirements.

### SARA 313 INFORMATION:

SARA requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDS that are copied and distributed for this material.

Components present in this product at a level that could require reporting under the statute are: Glycol Ether EB (CAS# 111 -76-2) - 5%

## SECTION 16 - OTHER INFORMATION

### HAZARD RATING:

HEALTH	2	0 - LEAST
FIRE	0	1 - SLIGHT
REACTIVITY	0	2 - MODERATE
OTHER	-	3 - HIGH
		4 - EXTREME

### HAZARD RATING METHOD: HMIS

### REASON FOR REVISION:

Updated format to new ANSI Standard. Supercedes MSDS dated 9/29/03.

The product information contained herein is believed to be accurate as of the date of the Material Safety Data Sheet, and is provided without warranty, expressed or implied, as to the results of use of this information or the product to which it relates. Recipient assumes all responsibility for the use of this information and the use (alone or in combination with any other product), storage or disposal of the product, including any resultant personal injury or property damage.

\*\*\*\*END OF REPORT\*\*\*\*