

# MATERIAL SAFETY DATA SHEET

Pharmacal Research Laboratories Inc. • PO BOX 369, Naugatuck, CT 06770  
(203) 755-4908 • 800-243-5350 • FAX (203) 755-4309  
www.pharmacal.com



HMIS

03/07/2007

Health-2 Fire-1 Reac-0

## I. PRODUCT IDENTIFICATION

PRODUCT NAME:

**QUATRICIDE®**  
**EPA Reg. # 1839-95-8714**

MANUFACTURER:

PHARMACAL RESEARCH LABS., INC.  
562 Captain Neville Drive  
Waterbury, CT 06705

**EMERGENCY TELEPHONE NUMBERS:**  
**CHEMTREC**

**FOR CHEMICAL EMERGENCY**  
**1-800-424-9300**

## II. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
n-Alkyl (60%C <sub>14</sub> , 30%C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chlorides	68391-01-5	2.2 5%
n-Alkyl (60%C <sub>12</sub> , 32%C <sub>14</sub> ) dimethyl ethylbenzyl ammonium chlorides	68956-79-6	2.25%

## WARNING STATEMENTS

**WARNING:** Causes eye and skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid contamination of food. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

## III. EMERGENCY AND FIRST AID PROCEDURES

If in eyes:	<ul style="list-style-type: none"><li>• Immediately flush eye with plenty of water for 15 - 20 minutes.</li><li>• Call a poison control center or physician for treatment advice.</li></ul>
If swallowed:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person drink egg whites or gelatin solution, or if these are not available, drink large quantities of water if able to swallow.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
If on skin or clothing:	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li></ul>
Inhalation	<ul style="list-style-type: none"><li>• Move to fresh air.</li><li>• Use oxygen or artificial respiration if needed.</li><li>• Consult a physician if irritation of respiratory passages occur.</li></ul>
Note to physician:	<ul style="list-style-type: none"><li>• Probable mucosal damage may contraindicate the use of gastric lavage.</li></ul>

# MATERIAL SAFETY DATA SHEET

Pharmaceutical Research Laboratories Inc. • PO BOX 369, Naugatuck, CT 06770  
(203) 755-4908 • 800-243-5350 • FAX (203) 755-4309  
www.pharmaceutical.com

## **IV. FIRE AND EXPLOSION DATA**

**FLASH POINT:** 200 ° F

### **HANDLING PRECAUTIONS:**

SEVERELY IRRITATING TO SKIN & EYES. USE SELF-CONTAINED BREATHING APPARATUS FOR MAXIMUM RESPIRATORY PROTECTION. WATER MAY BE USED TO COOL CONTAINERS IF NOT RUPTURED OR LEAKING.

### **EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES:**

APPROACH FIRE FROM UPWIND TO AVOID HAZARDOUS VAPORS & TOXIC DECOMPOSITION PRODUCTS. USE CO<sub>2</sub>, DRY CHEMICALS, SYNTHETIC FOAM OR WATER. TYPE BC OR ABC EXTINGUISHERS.

### **DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:**

AMMONIACAL VAPORS

## **V. HEALTH AND HAZARD INFORMATION**

### **EFFECTS OF OVEREXPOSURE / SIGNS AND SYMPTOMS OF EXPOSURE:**

CONTACT WITH EYES CAUSES IRRITATION. PROLONGED OR REPEATED CONTACT WITH SKIN MAY CAUSE IRRITATION. VAPORS OR MIST MAY IRRITATE RESPIRATORY PASSAGES.

## **VI. PHYSICAL DATA**

THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.

BOILING POINT	100°C
SPECIFIC GRAVITY	1.038
pH	11
PRODUCT APPEARANCE	REDDISH / RUST COLORED
PRODUCT ODOR	MINT
SOLUBILITY IN WATER @ 1 ATM AND 25°C	COMPLETE

## **VII. REACTIVITY**

AVOID CONTACT WITH ANIONIC MATERIALS AND STRONG OXIDIZERS.

## **VIII. SPILL, LEAK, AND DISPOSAL PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CONTAIN ALL SPILLS AND LEAKS TO PREVENT DISCHARGE TO THE ENVIRONMENT. VENTILATE AREA. RECOVER LIQUID AND DISPOSE WASTE MATERIAL IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.**

### **“EMPTY” CONTAINER WARNINGS:**

DO NOT REUSE EMPTY CONTAINER. TRIPLE RINSE WITH WATER - DISPOSE OF IN CONFORMANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

QUATRICIDE®

PAGE 2 of 3

# MATERIAL SAFETY DATA SHEET

---

Pharmacal Research Laboratories Inc. • PO BOX 369, Naugatuck, CT 06770  
(203) 755-4908 • 800-243-5350 • FAX (203) 755-4309  
www.pharmacal.com

## **IX. PROTECTION AND PRECAUTIONS**

### **VENTILATION:**

GOOD VENTILATION TO KEEP HAZARDOUS INGREDIENTS BELOW TLV

### **RESPIRATORY PROTECTION:**

NIOSH APPROVED RESPIRATOR IF THERE IS A REASONABLE POSSIBILITY OF EXPOSURE

### **PROTECTIVE GLOVES:**

RUBBER

### **EYE PROTECTION:**

CHEMICAL SPLASH GOGGLES OR FACESHIELD

### **PERSONAL HYGIENE:**

DO NOT GET INTO EYES, ON SKIN OR CLOTHING - WASH THOROUGHLY AFTER USE

## **X. TRANSPORTATION INFORMATION**

### **TRANSPORTATION INFORMATION:**

- AVOID OVER HEATING OR FREEZING
- STORE IN COOL WELL VENTILATED AREA
- SPILLED MATERIAL IS SLIPPERY

**DOT IDENTIFICATION NUMBER:** N/A

**SHIPPING DESCRIPTION:** DISINFECTANTS, NOI  
NMFC ITEM # 57100, SUB 3

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE, TO THE BEST OF PHARMACAL'S KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE ISSUED. PHARMACAL DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY OR RELIABILITY, AND PHARMACAL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE ARISING OUT OF THERE USE THEREOF.

THE INFORMATION AND RECOMMENDATIONS ARE OFFERED FOR THE USER'S CONSIDERATION AND EXAMINATION, AND IT IS THE USER'S RESPONSIBILITY TO SATISFY ITSELF THAT THEY ARE SUITABLE AND COMPLETE FOR ITS PARTICULAR USE.

THE HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) AND NATIONAL FIRE PROTECTION ASSOCIATION RATINGS HAVE BEEN INCLUDED BY PHARMACAL RESEARCH LABORATORIES INC. IN ORDER TO PROVIDE ADDITIONAL HEALTH AND HAZARD INFORMATION. THE RATINGS RECOMMENDED ARE BASED UPON CRITERIA SUPPLIED BY THE DEVELOPERS OF THESE RATING SYSTEMS, TOGETHER WITH PHARMACAL'S INTERPRETATION OF THE AVAILABLE DATA.