

# MATERIAL SAFETY DATA SHEET

Pharmacal Research Laboratories Inc. • PO BOX 369 Naugatuck, CT 06770  
(203) 755-4908 • 800-243-5350 • FAX (203) 755-4309  
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HMIS  
Health-3 Fire-0 Reac- 2

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## I. PRODUCT IDENTIFICATION

PRODUCT NAME: **ALKA DET<sup>®</sup> HW**

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

EMERGENCY TELEPHONE NUMBERS: **FOR CHEMICAL EMERGENCY**  
**CHEMTREC 1-800-424-9300**

## II. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
POTASSIUM HYDROXIDE	1310-58-3	<13%

## **WARNING STATEMENTS**

KEEP OUT OF REACH OF CHILDREN  
FOR PROFESSIONAL USE ONLY

**Do not mix with any other chemicals unless compatibility has been established by the manufacturer.**

## III. EMERGENCY AND FIRST AID PROCEDURES

If in eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li><li>• Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If swallowed:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor for treatment advice.</li><li>• Have person drink large quantities of water or fruit juice.</li><li>• <b>DO NOT Induce vomiting.</b></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><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Inhalation:	<ul style="list-style-type: none"><li>• Move to fresh air.</li><li>• Consult a physician if irritation of respiratory passages occur.</li></ul>

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

### **FLASH POINT (MINIMUM):**

NON FLAMMABLE

### **HANDLING PRECAUTIONS:**

KEEP IN WELL VENTILATED AREA - STORE ABOVE 10°C (50°F). USE GOGGLES OR FACESHIELD, RUBBER GLOVES, AND BOOTS WHERE CONTACT IS EXPECTED.

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

USE FULL PROTECTIVE CLOTHING AND SELF CONTAINED BREATHING APPARATUS. THIS PRODUCT MAY BE CORROSIVE TO HUMAN TISSUE. EXTINGUISHING MEDIA SHOULD BE SUITABLE FOR SURROUNDING FIRE.

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

NONE KNOWN

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

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

CONTACT WITH CONCENTRATED MATERIAL MAY CAUSE SERIOUS BURNS TO HUMAN TISSUE

### **NATURE OF HAZARD AND TOXICITY INFORMATION:**

ACUTE ORAL TOXICITY > 5 ml/kg- MAY CAUSE DAMAGE TO THROAT AREA

SKIN IRRITATION PRIMARY SKIN IRRITANT

EYE IRRITATION EYE IRRITANT

## **VI. PHYSICAL DATA**

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

SPECIFIC GRAVITY	1.2
pH	13.5
PRODUCT APPEARANCE	RED LIQUID
SOLUBILITY IN WATER @ 1 ATM AND 25°C	COMPLETE

## **VII. REACTIVITY**

AVOID CONTACT WITH STRONG ACIDS.

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

**PROTECTIVE CLOTHING AND EQUIPMENT MUST BE WORN.** CONTAIN SPILL OR LEAKAGE IN SUITABLE CONTAINER OR HOLDING AREA. DO NOT ALLOW DRAINAGE TO SEWERS, STREAMS, OR STORM CONDUITS. RECOVER WITH VACUUM EQUIPMENT AND FLUSH WITH WATER. NEUTRALIZE AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

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## **“EMPTY” CONTAINER WARNINGS:**

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

## **IX. PROTECTION AND PRECAUTIONS**

### **VENTILATION:**

ADEQUATE VENTILATION

### **RESPIRATORY PROTECTION:**

NONE NORMALLY REQUIRED. FOR SPRAY OR MIST USE NIOSH APPROVED RESPIRATOR

### **PROTECTIVE GLOVES:**

RUBBER, LATEX, NITRILE

### **EYE PROTECTION:**

CHEMICAL SPLASH GOGGLES OR FACESHIELD

### **OTHER PROTECTIVE EQUIPMENT:**

RUBBER BOOTS AND APRON

### **PERSONAL HYGIENE:**

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

## **X. TRANSPORTATION INFORMATION**

### **TRANSPORTATION INCIDENT INFORMATION:**

**CLASSIFIED AS A CORROSIVE**

### **DOT IDENTIFICATION NUMBER**

Na 1760

### **SHIPPING DESCRIPTION**

COMPOUNDS, CLEANING LIQUID (POTASSIUM HYDROXIDE), 8, NA 1760, PG II, ITEM # 48580, SUB 3.

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