

MATERIAL SAFETY DATA SHEET

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HMIS
Health-3 Fire-0 Reac-2

DATE OF ISSUE 03/07/2007

I. PRODUCT IDENTIFICATION

PRODUCT NAME: **pH CONTROL®**

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

EMERGENCY TELEPHONE NUMBERS: **FOR CHEMICAL EMERGENCY**
CHEMTREC **1-800-424-9300**
IN CANADA CALL CANUTEC **1-613-996-6666**

II. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO. OF COMPONENTS	APPROXIMATE CONCENTRATION
SODIUM HYDROXIDE	1310-73-2	20 %

WARNING STATEMENTS

CORROSIVE

CAUTION

CONTAINS SODIUM HYDROXIDE - KEEP FROM FREEZING

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">• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.• Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person drink large quantities of water or milk.• Do not induce vomiting.• Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 - 20 minutes.• Call a poison control center or doctor for treatment advice.
Inhalation:	<ul style="list-style-type: none">• Move to fresh air.• Consult a physician if irritation of respiratory passages occur.

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IV. FIRE AND EXPLOSION DATA

FLASH POINT (MINIMUM):

NON FLAMMABLE

HANDLING PRECAUTIONS:

- DO NOT STORE NEAR COMBUSTIBLE OR ORGANIC CHEMICALS WITH WHICH IT CAN REACT.
- KEEP IN WELL VENTILATED AREA
- KEEP FROM FREEZING
- 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 MATERIAL IS CORROSIVE TO HUMAN TISSUE.
- USE WATER SPRAY OR FOAM

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

- MAY RELEASE SODIUM MONOXIDE.
- IF WATER IS DRIVEN OFF, SOLID SODIUM HYDROXIDE WILL REACT VIOLENTLY WITH WATER AND GENERATE ENOUGH HEAT TO IGNITE NEARBY COMBUSTIBLES.

V. HEALTH AND HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE / SIGNS AND SYMPTOMS OF EXPOSURE:

CONTACT WITH CONCENTRATED MATERIAL MAY CAUSE BURNS TO EXPOSED TISSUE AND STINGING OF THE EYE, NOSE & THROAT.

NATURE OF HAZARD AND TOXICITY INFORMATION:

THIS COMPOUND IS EXTREMELY ALKALINE IN NATURE AND IS CORROSIVE TO BODY TISSUE- DERMATITIS MAY RESULT FROM REPEATED EXPOSURE TO SOLUTIONS IN THE FORM OF LIQUIDS OR MISTS.

VI. PHYSICAL DATA

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

SPECIFIC GRAVITY	1.21
pH	13
PRODUCT APPEARANCE	CLEAR LIQUID
SOLUBILITY IN WATER @ 1 ATM AND 25°C	COMPLETE

VII. REACTIVITY

DO NOT ALLOW CONTACT WITH ACIDS

IF WATER IS DRIVEN OFF, SOLID SODIUM HYDROXIDE WILL REACT VIOLENTLY WITH WATER AND GENERATE ENOUGH HEAT TO IGNITE NEARBY COMBUSTIBLES.

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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 DRAINS. DILUTE WITH LARGE VOLUMES OF WATER. IF NEUTRALIZATION IS REQUIRED, USE MILD ACIDS, PREFERABLY ACETIC ACID. SPILLED MATERIAL IS SLIPPERY.

“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 TO REDUCE LEVEL TO LESS THAN 2 mg/m³

RESPIRATORY PROTECTION:

IF LOCAL EXHAUST IS NOT ADEQUATE, USE NIOSH APPROVED RESPIRATOR

PROTECTIVE GLOVES:

RUBBER

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- NEUTRALIZE WITH DILUTED MILD ACID

DOT IDENTIFICATION NUMBER

UN 1824

SHIPPING DESCRIPTION

SODIUM HYDROXIDE SOLUTION, 8, UN 1824, PG II
NMFC ITEM # 48580, SUB 3.

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