

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
Health-3 Fire-0 Reac-2

DATE OF ISSUE 9/1/04

I. PRODUCT IDENTIFICATION

PRODUCT NAME: CLOUT® PF

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
POTASSIUM HYDROXIDE	1310-58-3	< 15 %
SODIUM HYPOCHLORITE	7681-52-9	3 %

WARNING STATEMENTS

CORROSIVE

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 fruit juice.• 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.

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

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 MATERIAL MAY BE CORROSIVE TO HUMAN TISSUE AND CHLORINE MAY BE LIBERATED.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

CHLORINE GAS

V. HEALTH AND HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE / SIGNS AND SYMPTOMS OF EXPOSURE:

CONTACT WITH CONCENTRATED MATERIAL MAY CAUSE BURNS TO EXPOSED TISSUE

NATURE OF HAZARD AND TOXICITY INFORMATION:

ACUTE ORAL TOXICITY	< 5 ml/kg
SKIN IRRITATION	PRIMARY SKIN IRRITANT
primary irritation score (index)	5.0
EYE IRRITATION	MATERIAL IS A PRIMARY 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
PRODUCT APPEARANCE	LIGHT YELLOW LIQUID CHLORINE ODOR
SOLUBILITY IN WATER @ 1 ATM AND 25°C	COMPLETE

VII. REACTIVITY

DO NOT ALLOW CONTACT WITH ACIDS OR HEAT

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

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. RECOVER WITH VACUUM EQUIPMENT AND FLUSH WITH WATER. 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

RESPIRATORY PROTECTION:

FOR MIST 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- PROTECT AGAINST PHYSICAL DAMAGE
AVOID OVER HEATING OR FREEZING- STORE IN COOL WELL VENTILATED AREA.

DOT IDENTIFICATION NUMBER

NA 1760

SHIPPING DESCRIPTION

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