

MATERIAL SAFETY DATA SHEET

Pharmacal Research Laboratories Inc. • 562 Captain Neville Drive, Waterbury CT 06705
(203) 755-4908 • 800-243-5350 • FAX (203) 755-4309
www.pharmacal.com



HMIS
Health-3 Fire-1 Reac-0

DATE OF ISSUE 03/12/2012

I. PRODUCT IDENTIFICATION

PRODUCT NAME:

URISOLV® PLUS

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
PHOSPHORIC ACID	7664-38-2	40 %
GLYCOL ETHER	034590-94-8	< 8 %

WARNING STATEMENTS

CAUTION: Harmful if swallowed. Avoid contact with eyes, mouth or mucous membranes. Contains Phosphoric Acid.

CORROSIVE

KEEP OUT OF REACH OF CHILDREN

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 rinse mouth with water then drink large quantities of water to cause dilution.• 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. • 562 Captain Neville Drive, Waterbury CT 06705
(203) 755-4908 • 800-243-5350 • FAX (203) 755-4309
www.pharmacal.com

IV. FIRE AND EXPLOSION DATA

FLASH POINT (MINIMUM):

PHOSPHORIC ACID IS NOT COMBUSTIBLE BUT MAY REACT WITH METALS TO LIBERATE HYDROGEN, A FLAMMABLE GAS.

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.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

AT FIRE TEMPERATURES, PRODUCT MAY EMIT TOXIC PHOSPHORUS OXIDE FUMES.

V. HEALTH AND HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE / SIGNS AND SYMPTOMS OF EXPOSURE:
SLIGHTLY TOXIC WITH REPEATED INHALATION OR INJECTION. MAY CAUSE BURNS TO EXPOSED TISSUE.

NATURE OF HAZARD AND TOXICITY INFORMATION:

ACUTE ORAL TOXICITY	50 TO 500 mg/kg
SKIN IRRITATION	MILD PRIMARY SKIN IRRITANT
primary irritation score (index)	1.12
EYE IRRITATION	PRIMARY EYE IRRITANT
mean maximum score	75.3

VI. PHYSICAL DATA

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

SPECIFIC GRAVITY	1.3
pH	<1
PRODUCT APPEARANCE	Light green liquid
SOLUBILITY IN WATER @ 1 ATM AND 25°C	COMPLETE

MATERIAL SAFETY DATA SHEET

Pharmacal Research Laboratories Inc. • 562 Captain Neville Drive, Waterbury CT 06705
(203) 755-4908 • 800-243-5350 • FAX (203) 755-4309
www.pharmacal.com

VII. REACTIVITY

CONTACT WITH REACTIVE METALS (e.g. MILD STEEL-ALUMINUM) MAY PRODUCE FLAMMABLE/EXPLOSIVE HYDROGEN. ACID MIXTURES CAN REACT VIOLENTLY WITH STRONG ALKALI (BASES)

VIII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: DIKE AND SALVAGE OR NEUTRALIZE WITH LIME OR SODA ASH AND DISPOSE INTO TREATMENT SYSTEM IN ACCORDANCE WITH ALL 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.

IX. PROTECTION AND PRECAUTIONS

VENTILATION:

ADEQUATE VENTILATION TO KEEP HAZARDOUS INGREDIENTS BELOW TLV. MUST MEET MAXIMUM EXPOSURE LIMIT FOR ACID MIST OF 1 mg/m³ FOR 8 HOURS.

RESPIRATORY PROTECTION:

FOR MIST USE NIOSH/MSHA ACID RESPIRATOR

PROTECTIVE GLOVES:

RUBBER, LATEX, OR OTHER ACID RESISTANT MATERIAL

EYE PROTECTION:

CHEMICAL SPLASH GOGGLES OR FACESHIELD

PERSONAL HYGIENE:

DO NOT GET IN EYES, ON SKIN OR CLOTHING. WASH THOROUGHLY AFTER USE

X. TRANSPORTATION INFORMATION

TRANSPORTATION INCIDENT INFORMATION:

CLASSIFIED AS A CORROSIVE-PROTECT AGAINST PHYSICAL DAMAGE

DOT IDENTIFICATION NUMBER

NA 1760

SHIPPING DESCRIPTION

COMPOUNDS, CLEANING LIQUID, (PHOSPHORIC ACID), 8, NA 1760 , PG III
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 THEIR 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.