

# MATERIAL SAFETY DATA SHEET

Pharmaceutical Research Laboratories Inc. • PO BOX 369 Naugatuck, CT 06770  
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HMIS  
Health-3 Fire-0 Reac-0

DATE OF ISSUE 9 / 1 / 04

## I. PRODUCT IDENTIFICATION

PRODUCT NAME: URISOLV®

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
PHOSPHORIC ACID	7664-38-2	40 %

### 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"><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 immediately for treatment advice.</li><li>• Have person rinse mouth with water then drink large quantities of water to cause dilution.</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

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### 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.

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## V. HEALTH AND HAZARD INFORMATION

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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

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## VI. PHYSICAL DATA

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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

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## 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)

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## 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.

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## IX. PROTECTION AND PRECAUTIONS

### VENTILATION:

ADEQUATE VENTILATION TO KEEP HAZARDOUS INGREDIENTS BELOW TLV. MUST MEET MAXIMUM EXPOSURE LIMIT FOR ACID MIST OF 1 mg/m<sup>3</sup> 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

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## 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

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