SAFTEY DATA SHEET

Urocare Products, Inc.

SECTION 1 - IDENTIFICATION OF SUBSTANCE/MIXTURE AND COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name:	Urolux®
Product Codes:	700216, 700204.
Synonym(s):	Orthophosphoric Acid Solution.
CAS Number:	7664-38-2
SDS Number/Grade:	3
EC Number:	231-633-2
EU Index Number:	015-011-00-6
Research Registration Number:	01-2119485924-24-0037

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant identified use(s):	Use to clean and deodorize urinary and ostomy appliances which include, but are not limited to: Latex or rubber leg bags, male urinal sheaths, urinary drainage bottles, drainage and extension tubing or any other reusable urinary or ostomy appliance.
Restrictions on Use:	Avoid contact with all materials other than glass, plastics, rubber and latex.

1.3 Details of Supplier of the Safety Data Sheet

Manufacturer/Responsible Party:	Urocare Products, Inc. 2735 Melbourne Avenue Pomona, CA 91767-1931 U. S. A.
Telephone (General):	+1 (909) 621-6013
Email Address (Technical):	cust.support@urocare.com

1.4 Emergency Telephone No.

Manufacturer:	+1 (800) 535-5053 – InfoTrac – within USA & Canada.
Manufacturer:	+1 (352) 323-3500 – InfoTrac – outside USA & Canada (collect calls accepted).

SECTION 2 - HAZARD(S) INDENTIFICATION

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to or 1999/45/EC (DPD)

2.1 Classification of Substance or Mixture

CLP	Corrosive to Metals 1 – H290 Skin Corrosion 1B – H314
DSD/DPD	Corrosive (C); R34

2.2 Labeled Elements

CLP

DANGER

Hazard Statements:

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

Precautionary Statements

Prevention:

P234: Keep only in original container.
P260: Do not breathe mist/vapors/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P390: Absorb spillage to prevent material damage.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P363: Wash contaminated clothing before reuse.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310: Immediately call a POISON CENTER or doctor/physician.
P321: Specific treatment (see supplemental first aid instructions on this label).
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage/Disposal:

P406: Store in corrosive resistant/container with a resistant inner liner.
P405: Store locked-up.
P501: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD

Symbols & Pictograms: C

Risk Phrases:

R34: Causes Burns.

Safety Phrases:

S36: Wear suitable protective clothing.
S37: Wear suitable gloves.
S39: Wear eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3 Other Hazards

CLP — According to regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD — This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the Substance or Mixture

OSHA HCS 2012 — Corrosive to Metals 1 – H290
Skin Corrosion 1B – H314

2.2 Label elements

OSHA HCS 2012 — **DANGER**

Hazard Statements:
H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

Precautionary Statements:

Prevention:
P234: Keep only in original container.
P260: Do not breathe mist/vapors/spray.
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Storage/Disposal:
P406: Store in corrosive resistant/container with a resistant inner liner.
P405: Store locked-up.

P501: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other Hazards

OSHA HCS 2012

Under United States Regulations (29 CFR 1910.1200 – Hazard Communication Standard), this product is considered hazardous.

Canada (CA)

According to WHMIS

2.1 Classification of the Substance or Mixture

WHMIS

Corrosive (E)

2.2 Label elements

WHMIS

CORROSIVE – E

2.3 Other Hazards

WHMIS

In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

SECTION 3 - COMPOSITION & INFORMATION ON INGREDIENTS

3.1 Substances

COMPOSITION					
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**	**Comments**
Phosphoric Acid 75%	CAS: 7664-38-2 EC No. 231-633-2	5%	Ingestion/Oral - Rat LD50 • 1.25 g/kg Inhalation – Rat LC50 • 25.5 mg/m3	EU DSD/DPD: Annex I: C; R34 EU CLP: Annex VI: Skin Corr. 1B, H314, Corr. to Metals 1, H290 OSHA HCS 2012: Skin Corr. 1B, H314, Corr. to Metals 1, H290	NDA

3.2 Mixtures

Under Regulation (EC) No. 1272/2008, this product is classified as a mixture. All other substances contained in this product are below reportable quantities.

SECTION 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation:

Administer oxygen if breathing is difficult. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one - way valve or other proper

	respiratory medical device. Give artificial respiration if victim is not breathing. Move victim to fresh air.
Skin:	For minor skin contact, avoid spreading material on unaffected skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Remove and isolate contaminated clothing and shoes. Wash contaminated clothing before reuse.
Eye:	In case of contact with substance, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If the physician is not immediately available, eye irrigation should be continued for an additional 15 minutes. If it is necessary to transport the patient to a physician and the eye needs to be bandaged, use a dry sterile cloth pad and cover both eyes.
Ingestion:	If swallowed give 2-3 glasses of water if victim is conscious and alert. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Obtain medical attention immediately if ingested. Do not use mouth-to-mouth method if victim ingested the substance. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Persons attending the victim should avoid direct contact with heavily contaminated clothing and vomitus. Wear impervious gloves while decontaminating skin and hair.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Refer to Section 11 – Toxicological Information.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician:	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

4.4 Other Information

When calling 911 or emergency medical service, ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media:	Not combustible. Use extinguishing media suitable for surrounding fire.
Unsuitable Extinguishing Media:	None known.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire & Explosion Hazards:	Not combustible. Under fire condition, toxic, corrosive fumes are emitted.
Hazardous Combustion Products:	Not combustible. Substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

5.3 Advice for Firefighters:

Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Keep unauthorized personnel away.

Evacuate residents who are downwind of fire.

Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should not be mistaken for heat exhaustion or smoke inhalation.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures: Keep unauthorized personnel away. Dike spill using absorbent or impervious materials such as earth, sand or clay. Dike or retain dilution water or water from firefighting for later disposal.

6.2 Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. Runoff from fire control or dilution water may cause pollution.

6.3 Methods and Material for Containment and Cleaning-up

Containment/Clean-up Measures: Exercise caution during neutralization as considerable heat may be generated. Neutralize spill area with soda ash, sodium bicarbonate or lime. Flush neutralized spill with copious amounts of water.

6.4 Reference to Other Sections

Refer to Section 8 – Exposure Controls/Personal Protection and Section 13 – Disposal Considerations.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Handling: Do not get on skin or in eyes. Avoid breathing vapors and mists. Do not ingest. Handle and open container with care. Use only with adequate ventilation. Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water while stirring to prevent release of heat, steam and fumes. This product reacts violently with bases liberating heat and causing spattering.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage: Store in a dry, well-ventilated place. Store locked-up. Keep away from incompatible materials. Ventilate enclosed areas.

7.3 Specific End Use(s)

Refer to Section 1.2 – Relevant Identified uses.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

EXPOSURE LIMITS/GUIDELINES						
Phosphoric Acid (7664-38-2)	**Result**	**ACGIH**	**Argentina**	**Australia**	**Austria**	**Belgium**
	STEL	3 mg/m^3 TWA	3 mg/m^3 STEL [CMP - CPT]	3 mg/m^3 STEL	2 mg/m^3 STEL [KZW] (4 X 15 min)	2 mg/m^3 STEL
	TWA	1 mg/m^3 TWA	1 mg/m^3 TWA [CMP]	1 mg/m^3 TWA	Not Established	1 mg/m^3 TWA
	MAK	Not Established	Not Established	Not Established	1 mg/m3 TWA [TMW]	Not Established

EXPOSURE LIMITS/GUIDELINES (CONTINUED)						
Phosphoric Acid (7664-38-2)	**Result**	**China**	**Czech Republic**	**Denmark**	**Egypt**	**Finland**
	STEL	3mg/m^3 STEL	Not Established	Not Established	3 mg/m^3 STEL	2 mg/m^3 STEL
	TWA	1 mg/m^3 TWA	1 mg/m^3 TWA	1 mg/m^3 TWA	Not Established	1 mg/m^3 TWA
	Ceiling	Not Established	2 mg/m^3 Ceiling	Not Established	Not Established	Not Established

EXPOSURE LIMITS/GUIDELINES (CONTINUED)						
Phosphoric Acid (7664-38-2)	**Result**	**France**	**Germany DFG**	**Germany TRGS**	**Greece**	**Hong Kong**
	STEL	0.5 ppm STEL [VLCT] (indicative limit); 2 mg/m^3 STEL [VLCT] (indicative limit)	Not Established	Not Established	3mg/m^3 STEL	3 mg/m^3 STEL
	TWA	0.2 ppm TWA [VME] (indicative limit); 1 mg/m^3 TWA [VME] (indicative limit)	Not Established	2 mg/m^3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, inhalable fraction, exposure factor 2)	1 mg/m^3 TWA	Not Established
	Ceilings	Not Established	4 mg/m^3 Peak (inhalable fraction)	Not Established	Not Established	Not Established
	MAK	Not Established	2 mg/m^3 TWA MAK (inhalable fraction)	Not Established	Not Established	Not Established

EXPOSURE LIMITS/GUIDELINES (CONTINUED)						
Phosphoric Acid (7664-38-2)	**Result**	**Hungary**	**India**	**Indonesia**	**Ireland**	**Israel**
	STEL	2 mg/m^3 STEL [CK]	3 mg/m^3 STEL	Not Established	2 mg/m^3 STEL	3 mg/m^3 STEL
	TWAs	1 mg/m^3 TWA [AK]	1 mg/m3 TWA	1 mg/m3 TWA	1 mg/m^3 TWA	1 mg/m^3 TWA

EXPOSURE LIMITS/GUIDELINES (CONTINUED)						
Phosphoric Acid (7664-38-2)	**Result**	**Italy**	**Japan**	**Korea**	**Malaysia**	**Mexico**
	STEL	2 mg/m^3 STEL	Not Established	3 mg/m^3 STEL (Serial No. 465)	Not Established	3 mg/m^3 STEL [LMPE-CT]
	TWA	1 mg/m^3 TWA	1 mg/m3 OEL	1 mg/m^3 TWA (Serial No. 459)	1 mg/m3 TWA	1 mg/m^3 TWA [LMPE-PPT]

EXPOSURE LIMITS/GUIDELINES (CONTINUED)

Phosphoric Acid (7664-38-2)	**Result**	**Netherlands**	**New Zealand**	**NIOSH**	**Norway**	**OSHA**
	STEL	2 mg/m^3 STEL	Not Established	3 mg/m^3 STEL	Not Established	Not Established
	TWA	1 mg/m^3 TWA	1 mg/m^3 TWA	1 mg/m^3 TWA	1 mg/m^3 TWA	1 mg/m^3 TWA

EXPOSURE LIMITS/GUIDELINES (CONTINUED)						
Phosphoric Acid (7664-38-2)	**Result**	**The Philippines**	**Poland**	**Portugal**	**Singapore**	**South Africa**
	STEL	Not Established	2 mg/m^3 STEL [NDSCh]	3 mg/m^3 STEL [VLE-CD]	3 mg/m^3 STEL	3 mg/m^3 STEL
	TWA	1 mg/m3 TWA	1 mg/m^3 TWA [NDS]	1 mg/m^3 TWA [VLE-MP]	1 mg/m^3 PEL	1 mg/m^3 TWA

EXPOSURE LIMITS/GUIDELINES						
Phosphoric Acid (7664-38-2)	**Result**	**Spain**	**Sweden**	**Switzerland**	**Taiwan**	**United Kingdom**
	STEL	2 mg/m^3 STEL [VLA-EC]	3 mg/m^3 STV	1 mg/m^3 STEL [KZW] (4 X 15)	Not Established	2 mg/m^3 STEL
	TWA	1 mg/m^3 TWA [VLA-ED] (indicative limit value; it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)	1 mg/m^3 LLV	Not Established	1 mg/m^3 TWA	1 mg/m^3 TWA
	MAK	Not Established	Not Established	1 mg/m^3 TWA [MAK]	Not Established	Not Established

EXPOSURE LIMITS/GUIDELINES (CONTINUED)						
Phosphoric Acid (7664-38-2)	**Result**	**Venezuela**				
	STEL	3 mg/m^3 STEL [LEB]				
	TWA	1 mg/m^3 TWA [CAP]				

8.2 Exposure Controls

Engineering Measures/Controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment:

Respiratory: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face: Wear a face shield and eye protection. An emergency eye wash must be readily accessible to the work area. Ensure safety shower is available near all areas of bulk storage, delivery and use.

Hands: Wear protective gloves selected with regard to both durability as well as permeation resistance.

Skin/Body: War protective clothing.

General Industrial Hygiene Considerations:

Do not get in eyes or on skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Handle in accordance with good industrial hygiene and safety practices.

Environmental Exposure Controls: Follow best practice for site management and disposal of waste.

Key to Abbreviations:

ACGIH	=	American Conference of Governmental Industrial Hygiene	PEL	=	Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA).
MAK	=	Maximale Arbeitsplatz Konzentration is the maximum permissible concentration.	STEL	=	Short Term Exposure Limits are based on 15 minute exposures.
MSHA	=	Mine Safety and Health Administration	STEV	=	Short Term Exposure Value
NIOSH	=	National Institute of Occupational Safety and Health	NAB	=	Threshold Values (Indonesia)
OEL	=	Occupational Exposure Limit(s)	TWAEV	=	Time-Weighted Average Exposure Value
OSHA	=	Occupational Safety and Health Administration	TWA	=	Time-Weighted Averages are based on 8h/day, 40h/week exposures.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on Physical and Chemical Properties

Material Description:

Physical Form:	Liquid.
Appearance Description:	Colorless viscous liquid without odor.
Color:	Colorless.
Odor:	Odorless.
Odor Threshold:	Data lacking.

General Properties:

Boiling Point:	275° F (335° C).
Melting Point:	0.5° F (-17.5° C).
Freezing Point:	0° F (-17.8° C) – Theoretical: Due to the pronounced increase in viscosity at low temperatures, product will super cool at lower temperatures. Actual freezing point may be unpredictable and not crystallize at its freezing point or lower.
Decomposition Temperature:	Not determined.
PH:	< 1
Specific Gravity/Relative Density:	1.57 (Water=1 @ 77° F (25° C)).
Water Solubility:	Miscible.
Viscosity:	Same as water.
Explosive Properties:	Not relevant.
Oxidizing Properties:	Not relevant.

Volatility:

Vapor Pressure:	< 2 mmHg (torr) @ 68° F (20° C).
Vapor Density:	Data lacking.
Evaporation Rate:	Data lacking.

Flammability:

Flash Point:	Not relevant.
UEL	Not relevant.
LEL	Not relevant.
Autoignition Point:	Not relevant.
Flammability (Solid/Gas):	Non-flammable.

Environmental:

Octanol/Water Partition Coefficient:	Data lacking.

9.2 Other Information

No additional physical and chemical parameters noted.

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical Stability

Stable.

10.4 Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4 Conditions to Avoid

Avoid Incompatible materials.

10.5 Incompatible Materials

Avoid strong oxidizing agents, strong reducing agents, bases and certain metals.

10.6 Hazardous Decomposition Products

Oxides of phosphorus may be produced upon decomposition.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Other Material Information: This material is an acid solution. The primary effects and toxicity of this material are due to its corrosive nature.

NAME	CAS NO.	TYPE OF TEST/RESULTS/COMMENTS
Phosphoric Acid 75%	**7664-38-2**	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 1530 mg/kg • Comments: Data for phosphoric acid; Skin-Rabbit LD50 • 2740 mg/kg; **Irritation:** Eye-Rabbit • 119 mg/kg • Severe irritation, irreversible, burns (corrosive) • Comments: Data for phosphoric acid; Skin-Rabbit • 595 mg/kg 24 Hour(s) • Severe irritation, irreversible, burns (corrosive).

GHS PROPERTIES	CLASSIFICATION

Acute Toxicity	**EU/CLP** • Acute Toxicity – Dermal - Data lacking; Acute Toxicity – Inhalation – Data lacking; Acute Toxicity – Oral - Data lacking **OSHA HCS 2012** • Acute Toxicity – Dermal - Inconclusive data; Acute Toxicity – Inhalation - Inconclusive data; Acute Toxicity – Oral - Data lacking.
Aspiration Hazard	**EU/CLP** • Data lacking **OSHA HCS 2012** • Not relevant.
Carcinogenicity	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met.
Germ Cell Mutagenicity	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met.
Skin Corrosion/Irritation	**EU/CLP** • Skin Corrosion 1B **OSHA HCS 2012** • Skin Corrosion 1B.
Skin Sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking.
STOT-RE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking.
STOT-SE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking.
Toxicity for Reproduction	**EU/CLP** • Classification criteria not met **OSHA HCS 2012** • Classification criteria not met.
Respiratory Sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking.
Serious Eye Damage/Irritation	**EU/CLP** • Data lacking. **OSHA HCS 2012** • Classification criteria not met.

Route(s) of Entry/Exposure: Inhalation, skin, eyes and ingestion.

Potential Health Effects

Inhalation

Acute (Immediate): Under normal conditions of use, no health effects are expected.

Chronic (Delayed): Repeated or prolonged exposure to corrosive fumes may cause bronchial irritation with chronic cough.

Skin

Acute (Immediate): Corrosive. Can cause permanent damage to the cornea, blindness.

Chronic (Delayed): Repeated or prolonged exposure to corrosive materials or fumes may cause conjunctivitis.

Carcinogenic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Key to Abbreviations:

LD = Lethal Dose
TC = Toxic Concentration

SECTION 12 - Ecological Information

12.1 Toxicity

PHOSPHORIC ACID 75%	7664-38-2

Dosage	Species	Duration	Results	Exposure Conditions	Comments
138 mg/L	Fish: Mosquitofish	96 Hour(s)	LC50	NDA	NDA

12.2 Persistence and Degradability

No data found for product.

12.3 Bioaccumulative Potential

No data found for product.

12.4 Mobility in Soil

No data found for product.

12.5 Results of PBT and vPvB Assessment

PBT and vPvB assessment has not been carried out.

12.6 Other Adverse Effects

Ecological Fate: No data found for product.

12.7 Other Information

No specific biodegradation test data located. While acidity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Product Waste: Dispose of content and/or container in accordance with local, regional, national and/or international regulations. This material is considered and EPA hazardous waste. EPA "RCRA" Hazardous Waste Code "C" Corrosive.

Packaging Waste: Dispose of content and/or container in accordance with local, regional, national and/or international regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Authority	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(es)	14.4 Packing Group	14.5 Environmental Hazards
DOT	UN1805	Phosphoric Acid Solution	8	III	NDA
TDG/ADR	UN1805	Phosphoric Acid Solution	8	III	NDA
IMO/IMDG	UN1805	PHOSPHORIC ACID SOLUTION	8	III	NDA
IATA/ICAO	UN1805	Phosphoric Acid, Solution	8	III	NDA

14.6 Special Precautions for User

None known.

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

14.8 Other Information

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

DOT: The "Phosphoric Acid solution" is exempt from labeling requirements in containers under 1 gallon (4 Liters) – Regulation 49CFR Section 173.154. Product should be labeled as "Consumer Commodity ORM-D."

Phosiphoric Acid has a reportable quantity of 5,000 lbs. (2,270 Kgs) as listed in Appendix A to 49 CFR Section 172.101.

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/legislation Specific for the Substance or Mixture

SARA Hazard Classifications: Accute.

INVENTORY						
Component	**CAS NO.**	**Canada DSL**	**Canada NDSL**	**China**	**EU EINECS**	**EU ELNICS**
Phosphoric Acid	7664-38-2	Yes	No	Yes	Yes	No
INVENTORY (CONTINUED)						
Component	**CAS NO.**	**New Zealand**	**Philippines PICCS**	**TSCA**		
Phosphoric Acid	7664-38-2	Yes	Yes	Yes		

Canada (CA)

Labor:

Canada – List of Prohibited and Restricted Cosmetic Ingredients (The Cosmetic Ingredient Hotlist)

Phosphoric Acid	7664-38-2	Not Listed

Canada – WHMIS – Classifications of Substances

Phosphoric Acid	7664-38-2	E (including <+85%)

Canada – WHMIS – Ingredient Disclosure List

Phosphoric Acid	7664-38-2	1 %

Canada – 2004 NPRI (National Pollutant Release Inventory)

Phosphoric Acid	7664-38-2	Not Listed

Canada – 2005 NPRI (National Pollutant Release Inventory)

Phosphoric Acid	7664-38-2	Not Listed

Canada – CEPA – Greenhouse Gases Subject to Mandatory Reporting

Phosphoric Acid	7664-38-2	Not Listed

Canada – CEPA – Priority Substances List

Phosphoric Acid	7664-38-2	Not Listed

Canada – DWQ (Drinking Water Quality) – IMACs

Phosphoric Acid	7664-38-2	Not Listed

Other:

Canada – Accelerated Reduction/Elimination of Toxics (ARET)

Phosphoric Acid	7664-38-2	Not Listed

Canada (CA) New Brunswick

Environment:

Canada – New Brunswick – Ozone Depleting Substances – Schedule A

Phosphoric Acid	7664-38-2	Not Listed

Canada – New Brunswick – Ozone Depleting Substances – Schedule B

Phosphoric Acid	7664-38-2	Not Listed

Germany (DE)

Environment:

Germany – TA Luft – Types and Classes

Phosphoric Acid	7664-38-2	Not Listed

Germany – Water Classification (VwVwS) – Annex 1

Phosphoric Acid	7664-38-2	Not Listed

Germany – Water Classification (VwVwS) – Annex 2 – Water Hazard Classes

Phosphoric Acid	7664-38-2	ID No. 392, Hazard Class 1 – Low hazard to waters.

Germany – Water Classification (VwVwS) – Annex 3

Phosphoric Acid	7664-38-2	Not Listed

Philippines (PH)

Other:

Philippines – Priority Chemical List

Phosphoric Acid	7664-38-2	Not Listed

Singapore (SG)

Other:

Singapore – Corrosive and Explosive Substances – Corrosive Substances

Phosphoric Acid	7664-38-2	Not Listed

Thailand (TH)

Environment:

Thailand – Quantities of Chemicals

Phosphoric Acid	7664-38-2	1 mg/m3 Quantities of Chemicals

Thailand – Water Quality Criteria – Maximum Concentration Allowance

Phosphoric Acid	7664-38-2	1 mg/m3 Quantities of Chemicals

United States (US)

Labor:

United States – OSHA – Process Safety management – Highly Hazardous Chemicals

Phosphoric Acid	7664-38-2	Not Listed

United States – OSHA – Specifically Regulated Chemicals (29 CFR 1910.1001-10150)

Phosphoric Acid	7664-38-2	Not Listed

Environment:

United States – CAA (Clean Air Act) – 1990 Hazardous Air Pollutants

Phosphoric Acid	7664-38-2	Not Listed

United States – CAA (Clean Air Act) – Class II Ozone Depletors

Phosphoric Acid	7664-38-2	Not Listed

United States – CWA (Clean Water Act) Section 311 – Hazardous Substances (40 CFR 117.3)

Phosphoric Acid	7664-38-2	5,000 lbs. Final RQ (2,270 kgs. Final RQ)

United States – Superfund Amendments and Reauthorization Act of 1986 (SARA)

Phosphoric Acid	7664-38-2	Acute (Immediate) Chronic (Delayed)

United States – CERCLA/SARA – Hazardous Substances and Their Reportable Quantities

Phosphoric Acid	7664-38-2	5,000 lbs. Final RQ (2,270 kgs. Final RQ)

United States – CERCLA/SARA – Radionuclides and Their Reportable Quantities

Phosphoric Acid	7664-38-2	Not Listed

United States – CERCLA/SARA – Section 302 Extremely Hazardous Substances EPCRA Reportable Quantities

Phosphoric Acid	7664-38-2	Not Listed

United States – CERCLA/SARA – Section 304 Emergency Release Notification Reportable Quantities

Phosphoric Acid	7664-38-2	5,000 lbs. Final RQ (2,270 kgs. Final RQ)

United States – CERCLA/SARA – Section 311/312 – Hazardous Chemical Reportable Quantities

Phosphoric Acid	7664-38-2	10,000 lbs. Final RQ (4,540 kgs. Final RQ)

United States – CERCLA/SARA – Section 313 – Emission Reporting

Phosphoric Acid	7664-38-2	Not Listed

United States – CERCLA/SARA – Section 313 – PBT Chemical Listing

Phosphoric Acid	7664-38-2	Not Listed

Other:

United States – RCRA Hazard Class (40 CFR 261, If Discarded)

Phosphoric Acid	7664-38-2	Not Listed

United States – TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D)

Phosphoric Acid	7664-38-2	Not Listed

NAPA Hazard Rating:

Hazard Rating	NFPA	HMIS		
Health	3	3		0 = Minimal
Fire	0	0		1 = Slight
Reactivity	0	0		2 = Moderate
Personal Protection	4	H		3 = Serious
				4 = Extreme

United States (US) – California

Environment:

United States – California Proposition 65 – Carcinogens List

Phosphoric Acid	7664-38-2	Not Listed

United States – California Proposition 65 – Developmental Toxicity

Phosphoric Acid	7664-38-2	Not Listed

United States – California Proposition 65 – Maximum Allowable Dose Levels (MADL)

Phosphoric Acid	7664-38-2	Not Listed

United States – California Proposition 65 – No Significant Risk Levels (NSRL)

Phosphoric Acid	7664-38-2	Not Listed

United States – California Proposition 65 – Reproductive Toxicity – Female

Phosphoric Acid	7664-38-2	Not Listed

United States – California Proposition 65 - Reproductive Toxicity – Male

Phosphoric Acid	7664-38-2	Not Listed

United States – Southern California Air Quality Management District (AQMD)

Phosphoric Acid	7664-38-2	Meet requirements of Rule 443.1 & similar regulations.

United States (US) – New Jersey

Environment:

United States – New Jersey Worker and community Right-to-Know Act, Substance List (MSL)

Phosphoric Acid	7664-38-2	Not Listed

United States (US) – Massachusetts

Environment:

United States – Massachusetts 105 CMR 670.000 Right-to-Know Act, Substance List (MSL)

Phosphoric Acid	7664-38-2	Not Listed

United States (US) – Pennsylvania

Environment:

United States – Pennsylvania Right-to-Know Act, Substance List (MSL)

Phosphoric Acid	7664-38-2	Not Listed

United States (US) – Rhode Island

Environment:

United States – Rhode Island Right-to-Know Act, Substance List (MSL)

Phosphoric Acid	7664-38-2	Not Listed

Inventory Status

Australia AICS:	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
European Union EINECS, ELINCS or NLP:	On or in compliance with the inventory.
Japan (ENCS) List:	On or in compliance with the inventory.
Japan ISHL Listing:	On or in compliance with the inventory.
Japan Pharmacopoeia Listing:	On or in compliance with the inventory.
China Inventory Existing Chemical substances:	On or in compliance with the inventory.
Korea Existing Chemicals Inventory (KECI):	On or in compliance with the inventory.
Canada NDSL Inventory:	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
United States TSCA Inventory:	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.

European Union (EU)

European Union – Chemicals Hazards Information & Packaging (CHIP) Regulation 1993 Reportable Quantities

Phosphoric Acid	7664-38-2	Not Listed

CHIP Regulations:

Designation:	Urolux® Urinary Appliance Cleanser
Symbol:	C, Xi, N
Indication of Danger:	Corrosive, Harmful, Environment
Safety Phrases:	S2, S3/7/8/9/14, S18, S20, S23, S24/25, S26, S27/28, S46, S62, S63
Risk Phrases:	R20/21/22, R34, R36/37/38, R68 (Refer to Section 7 "HANDLING & STORAGE")

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16 - OTHER INFORMATION

16.1 Report Information

Last Revision Date:	03 May, 2016
Preparation Date:	03 May, 2016
Last Review Date:	01 Aug, 2019
Prepared By:	Raymond Halsey-Franke, President Operations/MR
Disclaimer:	The information contained herein is current as of the date of this Material Safety Data Sheet and is furnished in good faith as typical values and not as a product specification. No warranty of any kind, either expressed or implied, is hereby made. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Urocare products, Inc., users should consider this data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety of employees and customers.

Key to Abbreviations:

ACGIH	=	American Conference of Governmental Industrial Hygiene	**MSHA**	=	Mine Safety and Health Administration
CERCLA	=	Comprehensive Environmental Response, Compensation, and Liability Act	**NAB**	=	Threshold Values (Indonesia)
CTDG	=	Canadian Transportation of Dangerous Goods	**NIOSH**	=	National Institute of Occupational Safety and Health
DOT	=	Department of Transportation	**NTP**	=	National Toxicology Program
EPA	=	Environmental Protection Agency	**OEL**	=	Occupational Exposure Limit(s)
HMIS	=	Hazardous Materials Identification System	**OSHA**	=	Occupational Safety and Health Administration
IARC	=	International Agency for Research on Cancer	**PEL**	=	Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA).
IATA	=	International Air Transport Authority	**RCRA**	=	Resource Conservation and Recovery Act
ICAO	=	International Civil Aviation Organization	**STEL**	=	Short Term Exposure Limits are based on 15 minute exposures.
IMDG	=	International Maritime Dangerous Goods	**STEV**	=	
IMO	=	International Maritime Organization	**TWAEV**	=	Time-Weighted Average Exposure Value
MAK	=	Maximale Arbeitsplatz Konzentration is the maximum permissible concentration.	**TWA**	=	Time-Weighted Averages are based on 8h/day, 40h/week exposures.