

MATERIAL SAFETY DATA SHEET

Phosphoric Acid Solution, 20%

SECTION 1 . Product and Company Identification

Product Name and Synonym: Phosphoric Acid Solution, 20%

Product Code: 144-942

Material Uses:
Manufacturer: OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886

Entry Date : 5/5/2010

Print Date: 7/28/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	3			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

SECTION 2 HAZARD IDENTIFICATION

Causes severe irritation and burns. May Be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview: Danger! Corrosive. Causes Severe Irritation And Burns To Every Area Of Contact. Harmful If Swallowed Or Inhaled.

Inhalation: Inhalation is not an Expected Hazard Unless Misted or Heated to High Temperatures. Mist or Vapor Inhalation can Cause Irritation to the Nose, Throat, and Upper Respiratory Tract. Severe Exposures can Lead to a Chemical Pneumonitis.

Ingestion: Corrosive! May Cause Sore Throat, Abdominal Pain, Nausea, and Severe Burns of the Mouth, Throat, and Stomach. Severe Exposures can Lead to Shock, Circulatory Collapse, and Death.

Skin: Corrosive! Can cause Redness, Pain, and Severe Skin Burns.

Eye Contact: Corrosive! May Cause Redness, Pain, Blurred Vision, Eye Burns, and Permanent Eye Damage.

Chronic Exposure: No Information Found.

Aggravated by Exposure: Persons with Pre-Existing skin Disorders or Eye Problems, or Impaired Respiratory Function may be More Susceptible to the Effects of the Substance.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Phosphoric Acid 85% w/w	CAS# 7664-38-2	12-15%	V/V	TWA 1 mg/m ³ STEL 3mg/m ³
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

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Causes severe irritation and burns. May Be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, dry chemical, carbon dioxide, alcohol foam

Fire / Explosion Hazards: Thermal decomposition produces highly toxic fumes.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Ventilate area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected Personnel from Entering. Contain and Recover Liquid when Possible. Neutralize with Alkaline Material (Soda-Ash, Lime), then Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Wear appropriate gloves to prevent skin exposure

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	21 Deg C	Percent Volatile by Volume:	100% @ 21 Deg C
Boiling Point:	128 Deg C	Evaporation Rate	Information not

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			available
Vapor Pressure:	0.3 @ 20 Deg C	Evaporation Standard	
Vapor Density:	Information not available3.4	Auto Ignition Temp	Information not available
Solubility in Water:	Miscible proportions of water	Lower Flamm. Limit in Air	Information not available
Appearance /Odors:	Colorless Syrupy liquid odorless liquid	Upper Flamm. Limit in Air	Information not available
Flash Point:	Information not available		
Specific Gravity:	1.69		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	Avoid contact with incompatible materials.
Materials to Avoid:	Metals, bases
Hazardous Decomposition Products:	Oxides of phosphorus
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Carcinogenic References: IARC Category - None, NTP Carcinogen - Known: No

SECTION 12 Ecological Information

Environmental Fate:When Released into the Soil, This Material may Leach into Groundwater. When Released to Water, Acidity may be Readily Reduced by Natural Water Hardness Minerals.

Environmental Toxicity:No information found.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 Transport Information

DOT Classification: Phosphoric Acid, 8, UN1805, PG III
DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

Chemical Inventory Status –
Part 1:Ingredient TSCA EC Japan Australia
Phosphoric Acid (7664-38-2) Yes Yes Yes Yes

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Part 2:Ingredient Korea DSL NDSL Phil.
Phosphoric Acid (7664-38-2) Yes Yes No Yes

Federal, State & International Regulations –
Part 1: Ingredient RQ TPQ List Chem Catg.
Phosphoric Acid (7664-38-2)NO NO NO NO

Federal, State &
International Regulations –
Part 2:Ingredient CERCLA 261.33 8(d)
Phosphoric Acid (7664-38-2) 5000 No

TSCA 12 (b):No CDTA:No
Acute: NO
Chronic: NO
Fire: NO
Pressure: No
Reactivity: No

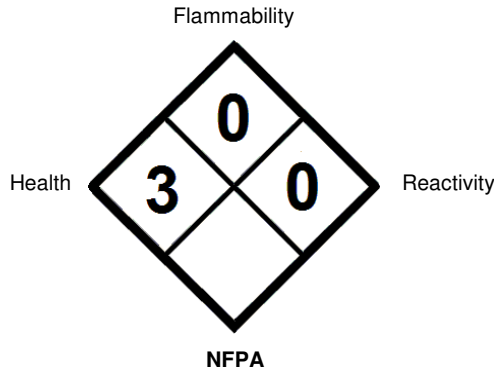
SARA 311/312: PURE/Liquid)

Australian Hazchem 2R

Poison Schedule:S5

SECTION 16 Additional Information

Corrosive! Conditions aggravated/target organs: Persons with preexisting skin, eye or respiratory conditions may be more susceptible. Acute: Severe irritation or burns to skin, eyes, mucous membranes, respiratory and GI tracts. Chronic: Dermatitis, damage to eyes, lungs, mucous membranes.



Revisions

7/26/2010	0.1	updated msds to 16 section from 10 section msds. STN
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