Material Safety Data Sheet

Orthophosphoric Acid 20% Solution (RXSOL-60-6219-500)

1. Product and Company Identifaction

Product Name	Orthophosphoric Acid 20% Solution
Product Type	RXSOL-60-6219-500

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Phosphoric Acid 85% w/w	CAS# 7664-38-2	12-	V/V	TWA 1 mg/mƒSTEL
Water, Deionized ASTM Type II	CAS# 7732-18-5	88%	V/V	None Established

3. Hazards 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.

4. First Aid Measures

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.

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.

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.

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.

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.

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Wear appropriate gloves to prevent skin exposure
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	128 Deg C
VAPOR PRESSURE	information not available
MELTING POINT	21 Deg C
VAPOR DENSITY	128 Deg C
EVAPORATION RATE	information not available
Appearance /Odors	Colorless Syrupy liquid odorless liquid
Flash Point	Not applicable
Specific Gravity	1.69
Percent Volatile by Evaporation Standard	100% @ 21 Deg C
Auto Ignition Temp	Not applicable
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable

Solubility in Water	Miscible Lower Flamm. Limit in Air Information not proportions of available water

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Avoid contact with incompatible materials.
MATERIALS TO AVOID	Metals, bases Hazardous Decomposition Oxides of phosphorus
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of phosphorus
HAZARDOUS POLYMERIZATION	will not occur
Conditions to Avoid	None known

11. Toxicological information

Hydrogen Chloride - IARC Category 3, NTP Carcinogen - Known: No

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.

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..

14. Transport information

DOT Classification: UN1805,Phosphoric Acid, 8, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

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

Chemical Inventory Status –
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

16. Other 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.

Flammability

Health Reactivity

Revisions	NFPA
7/26/2010	0.1 updated msds to 16 section from 10 section msds. STN
	0

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material