Material Safety Data Sheet

Orthophosphoric Acid 20% Solution (RXSOL-12-6219-220)

1. Product and Company Identifaction

Product Name	Orthophosphoric Acid 20% Solution
Product Type	RXSOL-60-6219-002

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

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
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Email	mail@rxmarine.com

2. Composition / informationon ingredients

Phosphoric Acid85% w/w	CAS 7664-38-2	12 -15%	V/V	TWA 1 mg/m3 STEL 3 mg/m3
Water Deionized ASTM Type II	CAS 7732-18-5	Balance	V/V	Not 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:	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.
Firefighting 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 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.

9. Physical and chemical properties

Melting Point	21°C

Boiling Point	128°C
Vapor Pressure	0.3 @ 20°C
Vapor Density	3.4
Solubility In Water	Miscible proportions of water
Appearance/Odors	Colorless syrupy liquid / odorless
Flash Point	Information not available
Percent Volatile By Volume	100% @ 21°C
Evaporation Rate	Information not available
Evaporation Standard	
Auto Ignition Temp	Information not available
Lower Flamm. Limit In Air	Information not available
Upper Flamm. Limit In Air	Information not available
Specific Gravity	1.69

10. Stability and reactivity

Stability	Stable
Conditions to Avoid	Avoid contact with incompatible materials.
Materials to Avoid	Metals, bases
Hazardous Decomposition Products	Oxides of carbon
Hazardous Polymerization	Will not occur
Conditions to Avoid	None known

11. Toxicological information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- 3

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

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. If you're 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: Phosphoric Acid, 8, UN1805, PG III
DOT regulations may change from time to time. Please consult the most recent DOT regulations.

15. Regulatory information

Chemical Inventory Status –
Part 1:Ingrdient
Phosphoric Acid (7664-38-2)

TSCA	Yes
EC	Yes
Japan	Yes
Australia	Yes

Chemical Inventory Status
Part 2:Ingredient
Phosphoric Acid (7664-38-2)

Korea	Yes
DSL	Yes
NDSL	No
Phil.	Yes

Federal, State & International Regulations –
Part 1: Ingredient
Phosphoric Acid (7664-38-2)

RQ	No
TPQ	No
List	No
Chemical Catg	No

Federal, State & International Regulations –
Part 2:Ingredient
Phosphoric Acid (7664-38-2)

CERCLA	5000
261.33	No
8(d)	No
Chemical Weapons Convention	No
TSCA 12 (b)	No
CDTA	No Pure/Liquid
SARA 311/312 : Acute	No
Chronic	No
Fire	No
Pressure	No
Reactivity	No
Australian Hazchem Code	2R
Poison Schedule	S5

16. Other information

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.