1. Product and Company Identifaction

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Porduct Name Phosphoric acid 47 50
Part Number RXSOL-19-1105-025

Company Details:....

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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 Email
 mail@rxmarine.com

 Website
 www.rxmraine.com

2. Composition / Information on ingredients

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Chemical Name Cas No EC No Weight Phosphoric acid 7664-38-2 231-633-2 47-50

3. Hazards Identification

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Signal Word Danger

Hazard Statements H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

Precautionary statements P280 Wear protective gloves/ protective clothing/ eye protection/ face

protection.

P301 + P312 + P330 IF SWALLOWED: Call a POISON

CENTER/doctor if you feel unwell. Rinse mouth.

P301 + P330 + P331IF SWALLOWED: Rinse mouth. Do NOT induce

vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all

contaminated clothing. Rinse skin with water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Immediately call a POISON CENTER/doctor.

This substance/mixture contains no components considered to be either

persistent, bioaccumulative and toxic (PBT), or very persistent and very

bioaccumulative (vPvB) at levels of 0.1% or higher

4. First Aid Measures

Other hazards

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General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult

a physician

Swallowed Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin Contact Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Most important symptoms and effects, both acute and delaye The most important known symptoms and effects are described in the

labelling (see section 2.2) and/or in section 11 Indication of any immediate medical attention and special treatment No data available

needed

5. Fire-fighting Measures

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Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Special hazards arising from the substance or mixture Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine Oxides of phosphorus

Further information No information Available

Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure

adequate ventilation. Evacuate personnel to safe areas. For personal

protection see section 8.

Do not let product enter drains. **Environmental Precaution**

Methods and materials for Soak up with inert absorbent material and dispose of as hazardous waste. containment and cleaning

Keep in suitable, closed containers for disposal.

Reference to other sections For disposal see section 13.

7. Handling and Storage

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Precautions for safe handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For

precautions see section 2.2

Keep away from alkalis, strong oxidizing agents and metals. Provide containment walls of adequate capacity to hold any accidental spills.

Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright

to prevent leakage. Store in cool place.

Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are

stipulated.

8. Exposure controls and personal protection

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Exposure controls No specific additional engineering controls are required. Provide good

natural or artificial ventilation.

Engineering Control Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

Eye/face protection Face shield and safety glasses Use equipment for eye protection tested

and approved under appropriate government standards such as NIOSH

(US) or EN 166(EU).

Body Protection Complete suit protecting against chemicals, Flame retardant antistatic Skin protection

Respiratory protection

Other Protection Measure Control of environmental exposure protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Full contact Material: butyl-rubber Minimum layer thickness: 0,3 mm Break through time: 480 min test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Where risk assessment shows air-purifying respirators are appropriate use a full@face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Handle in accordance with good industrial hygiene and safety practice.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and chemical properties

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Physical state Clear, Liquid
Colour Colorless
Odor Odorless
Odor Threshold Not Applicable

pH 1.8 - 2 Melting Point $40^{\circ}\text{C} / 21^{\circ}\text{C}$ Boiling Point 158°C

Evaporation Rate Not Applicable Flammability (solid, gas) No data available Explosive limits No Data Available Upper/lower flammability or explosive limits No data available Autoignition temperature No data available Decomposition temperature No data available 2 hPa @ 20°C Vapour pressure Viscosity No data available Specific Gravity 1.350 - 1.400 Partition coefficient No data available Explosive properties No data available Solubility No data available

Ignition temperature No information available.

Particle characteristics No data available

10. Stability and reactivity

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Reactivity No data available

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions

Conditions to avoid

No data available

No data available

Incompatible materials Strong acids, Strong bases, Strong oxidizing agents, Strong reducing

agents

Hazardous decomposition products Hazardous decomposition products formed under fire conditions.

Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus Other decomposition products - No

data available In the event of fire: see section 5

11. Toxicological information

Carcinogenicity

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Acute toxicity

No data available
Skin corrosion/irritation

No data available
Serious eye damage/irritation

No data available
Respiratory or skin sensitization

No data available

IARC: No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed human

carcinogen by IARC

Germ cell mutagenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Additional Information RTECS: Not available burning sensation, Cough, wheezing, laryngitis,

Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. To the best of our knowledge, the chemical, physical, and toxicological properties have not

been thoroughly investigated.

12. Ecological information

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Persistence and degradability

No data available
Toxicity to fish

No data available
Toxicity to daphnia and other aquatic invertebrates

No data available
Toxicity to bacteria

No data available
Toxicity to algae

No data available
Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either

persistent, bioaccumulative and toxic (PBT), or very persistent and very

bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disrupting properties No data available
Other adverse effects No data available .

13. Disposal considerations

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Product Offer surplus and non-recyclable solutions to a licensed disposal

company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other

waste. Handle uncleaned containers like the product itself.

Contaminated packaging Dispose of as unused product.

14. Transport information

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UN number

UN proper shipping name

Transport hazard class(es)

Environmental hazards

Special precautions for user

Packaging group

ADR/RID:1805 IMDG:1805 IATA: 1805 ADR/RID:PHOSPHORIC ACID SOLUTION

IMDG:PHOSPHORIC ACID SOLUTION

IATA:PHOSPHORIC ACID SOLUTION

ADR/RID: 8 IMDG: 8 IATA:8
ADR/RID: III IMDG: III IATA:III
ADR/RID: No IMDG: No IATA: No

No data available

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Safety Assessment

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. REACH - Restrictions on the manufacture, : placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)

For this product a chemical safety assessment was not carried out

16. Other information

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Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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