

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC

Rabale, Navi Mumbai - 400701

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Email :- sales@rakiro.net

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Doc No : MSDSAE301

Date: 01-04-2024

Product : AQUASOL

Product Code : AE301

**MATERIAL SAFETY DATA SHEET****1 PRODUCT IDENTIFICATION AND INFORMATION**

CODE : AE301

NAME : AQUASOL PHOSPHATE TEST KIT

Application : Determination of Phosphate in Water

**2 INFORMATION ON INGREDIENTS AND TOXICITY DATA**

Packing: Reagents are filled in Plastic bottles and all required Accessories are packed together in PP Box then wrapped in a outer PP Bag.

Performance : Test Kit to estimate Phosphate in water sample.

Main Ingredients of Chemical Reagent in the product are as follows:-

Name of Chemical	Cas No	% in Formulation
Water	7732-18-5	80.00%
Potassium Persulphate	7727-21-1	15.00%
Sodium Carbonate	497-19-8	4.00%
Nitric Acid	7697-37-2	1.00%

**3 FIRE AND EXPLOSION DATA**

Flammable Limits in air,%by Volume : Non Flammable item

Flash Point : None

Extinguishing Media : Non Flammable item

**4 FIRST AID MEASURES**

Since there are no hazardous implications there are no special first aid measures required.

Ingestion (Swallowing): May cause nausea and vomiting / Dilute by drinking copious amounts of water and obtain immediate medical attention

Skin Contact : Causes Irritating to skin / Wash affected skin with soap / cold water and obtain immediate medical attention

Eye Contact : Irritating to eyes / wash eyes with large amount of water for atleast 15 minutes and obtain immediate medical attention

Inhalation : Vapors may be irritating to nose throat and respiratory tract producing symptoms of nausea in poor ventilated area. Remove subject to fresh air obtain immediate medical attention

**5 FIRE FIGHTING MEASURES**

Since product is not inflammable so no fire fighting measures are required.

**6 ACCIDENTAL RELEASE MEASURES.**

Since product is non hazardous, non toxic and non inflammable, no specific precautions are required. Avoid breathing vapors and avoid skin contact.

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**7 HANDLING AND STORAGE**

Since product is non hazardous, non toxic and non inflammable, no specific Precautions are required.  
Store at room temperature, protected from heat and sunlight. Should Not be refrigerated or frozen.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION.**

Product is no hazardous, non toxic and non inflammable but use personal protective gear Apron, Handgloves and Face Shield.  
Maintain good ventilation while using the product

**9 STABILITY & REACTIVITY**

Stable under normal storage conditions. Hazardous polymerization will not Occur.

**10 PHYSICAL & CHEMICAL PROPERTIES**

Refer '2' Composition / information on ingredients

**11 TOXICOLOGICAL INFORMATION**

Since the product is non toxic at used level, no tests have been carried out.

**12 ECOLOGICAL INFORMATION**

AQUATIC TOXICOLOGY - No Data Available.  
BIODEGRADATION - No Data Available.

**13 DISPOSAL CONSIDERATIONS**

Follow local guidelines/regulations regarding the proper disposal of this material.

**14 TRANSPORT INFORMATION**

Non Dangerous / Non Hazardous / Non Toxic / Non Inflammable / Not Regulated as per IATA / IMDG

**15 REGULATORY INFORMATION**

Consult state and local regulatory authorities.

**16 OTHER INFORMATION**

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations. Rakiro Biotech assumes no responsibility for injury to customers or third persons caused by the material, if safety procedures are not adhered to as stipulated in the data sheet. Additionally, since actual use by others is beyond our control, no guarantee expressed or implied is made by Rakiro Biotech as to effect of such use, the results to be obtained, others safety and toxicity of the products, nor Rakiro Biotech assumes any liability arises out of use/misuse by others of the product referred to herein. Information proved herein is provided by Rakiro Biotech solely for customers' assistance in implying with the occupational Safety & Health Act Regulations there under. Any other use is prohibited. Product to be used under guidance of qualified personal. Product for Industrial Application only and not for Retail Sale.