

## MATERIAL SAFETY DATA SHEET

**VIVANTIS TECHNOLOGIES SDN BHD  
REVONGEN CORPORATION CENTER  
12A, Jalan TP5, Taman Perindustrian UEP,  
47600 Subang Jaya, Selangor, Malaysia.**

**For Information:**

Tel: +603-8025 1603

Fax: +603-80351637 / 1354

Email: [info@vivantechnologies.com](mailto:info@vivantechnologies.com)

URL: [www.vivantechnologies.com](http://www.vivantechnologies.com)

Document No.: MSDSrev03\_PC0912

Date prepared: 1<sup>st</sup> December 2018

Reviewed: 2<sup>nd</sup> January 2019

### SECTION 1: CHEMICAL IDENTIFICATION

Code: PC0912-500G

Name: Potassium phosphate, monobasic

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name:	CAS NO.:	EC NO.:	%
Pot phosphate Monbas Anhyd	7778-77-0	-	95-100

Synonyms: Monopotassium phosphate

### SECTION 3: HAZARDS IDENTIFICATION

#### GHS Classification

Skin irritant – Category 2

Eye irritant – Category 2

#### Label elements, including precautionary statements



Signal word: Warning

#### Hazard Statements

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Pairing Nature with Scientific Discoveries

## Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+ P352	If on skin, wash with plenty of soap and water.
P304 + P340	If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## SECTION 4: FIRST-AID MEASURES

In case of eye contact, immediately flush eyes with copious amounts of water for at least 15 minute. Consult a physician.

In case of skin contact, immediately wash skin with soap and copious amounts of water removing all contaminated clothes and shoes.

In case of inhalation, move to fresh air. If breathing becomes difficult, give oxygen.

In case of ingestion, wash mouth with water and drink plenty of water.

## SECTION 5: FIRE FIGHTING MEASURES

Not flammable.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use dry chemical, carbon dioxides, water spray or regular foam.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and fully protective gear.

Hazardous decomposition products formed under fire conditions: Potassium oxides, phosphorus oxides.

Flash point:	Not determined.
Explosion data – sensitivity to mechanical impact:	Not sensitive.
Explosion data – sensitivity to static discharge:	Not sensitive.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

For personal protection, use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For environmental precautions, prevent further leakage or spillage if safe to do so.

For cleaning up, pick up and transfer to properly labeled containers. Avoid dust formation. Ventilate area and wash spill site after material pickup is complete.

## SECTION 7: HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practice.  
Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture.  
Incompatible with strong oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection	Wear tightly fitting safety glasses.
Skin and Body Protection	Wear protective gloves/clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Use engineering measures such as showers, eyewash stations and ventilation systems.  
Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White
Physical state:	Solid
Odor:	No information available
Odor threshold:	No information available
Density:	2.34
pH:	No information available
Melting point:	253°C
Freezing point:	No information available
Initial Boiling point:	No information available
Boiling point:	400°C
Flash point:	Not applicable
Autoignition temperature:	No data available
Decomposition temperature:	No information available
Upper Flammability limit in air:	No data available
Lower Flammability limit in air:	No data available
Explosive properties:	No information available
Oxidizing properties:	No information available
Solubility:	No information available
Partition coefficient (n-octanol/water):	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Evaporation rate:	No data available
Specific gravity:	No data available
Viscosity:	No information available

Pairing Nature with Scientific Discoveries

## SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Materials to avoid:	Strong oxidizing agents.
Hazardous decomposition products:	Potassium oxides. phosphorous oxides
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Protect from moisture.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

Irritating to eye, skin and respiratory system.

### Chronic toxicity

No known effect based on information supplied

Target Organ Effects: None known

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose waste material in accordance with federal, state and local environmental regulations.

For contaminated packaging, dispose as waste material.

## SECTION 14: TRANSPORT INFORMATION

### IATA

Not regulated.

### DOT

Not regulated.

## SECTION 15: REGULATORY INFORMATION

### International Inventories:

TSCA Does not comply

EINECS/ELINCS Does not comply

ENCS Does not comply

Pairing Nature with Scientific Discoveries

Vivantis Technologies Sdn Bhd 587389-D

A member of Revongen Corporation (SST No: B16-1808-21023214)

Revongen Corporation Center

No12A, Jalan TP5, Taman Perindustrian UEP,

47600 Subang Jaya, Selangor Darul Ehsan, Malaysia.

E : info@vivanttechnologies.com

W: www.vivanttechnologies.com

T: +6 03 8025 1603

F: +6 03 8025 1637

<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply

## United States Federal Regulations

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### **SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

## U.S. State Regulations

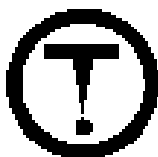
**California Proposition 65** This product does not contain any Proposition 65 chemicals.

## International Regulations

**Mexico – Grade** No information available

### **WHMIS Hazard Class**

D2B Toxic materials



Pairing Nature with Scientific Discoveries



## **SECTION 16: OTHER INFORMATION**

The information contained in this MSDS relates only to the material(s) designed and does not relate to use(s) in combination with any other material, process(es) and /or chemical reaction(s). Vivantis Technologies Sdn. Bhd. provides this information in good faith, from sources believed to be accurate; however, Vivantis assumes no liability for its accuracy or completeness, and thus shall not be held liable for any damage resulting from handling or from contact with the above product.

All Vivantis products are supplied for manufacturing, research and laboratory use only. Researchers and laboratory personnel intending to use any of these products for medical investigation on human are solely responsible for such use and for compliance with the pertinent regulations of the United States Food & Drug Administration (US-FDA) and other regulations. We do not assume liability for damages resulting from the handling, use and/or disposal of these products, from their use in violation of patent or other rights or reliance upon this information.

**Pairing Nature with Scientific Discoveries**

**Vivantis Technologies Sdn Bhd** 587389-D

A member of Revongen Corporation (SST No: B16-1808-21023214)

Revongen Corporation Center

No12A, Jalan TP5, Taman Perindustrian UEP,  
47600 Subang Jaya, Selangor Darul Ehsan, Malaysia.

E : [info@vivantechnologies.com](mailto:info@vivantechnologies.com)  
W: [www.vivantechnologies.com](http://www.vivantechnologies.com)

T: +6 03 8025 1603  
F: +6 03 8025 1637