

**MATERIAL SAFETY DATA SHEET**  
**VIVANTIS TECHNOLOGIES SDN BHD**

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**SECTION 1: CHEMICAL IDENTIFICATION**

Catalogue Number: PC0916-500g  
Product Name: Sodium phosphate, dibasic, anhydrous

Intended Use:  
For research use only. Not for use in diagnostic procedures.

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**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	EC No.	%
Sodium phosphate dibasic	7558-79-4	231-448-7	95-100

Synonyms: Dibasic sodium phosphate; disodium hydrogen phosphate; disodiummonohydrogen phosphate; disodium orthophosphate; disodium phosphate; disodium phosphoric acid; exsiccated sodium phosphate; natriumphosphat (German); soda phosphate; sodium hydrogen phosphate; sodium phosphate, dibasic; phosphoric acid; disodium salt

**SECTION 3: HAZARDS IDENTIFICATION**

**GHS Classification**

Skin irritant – Category 2

Eye irritant – Category 2

**GHS Label elements, including precautionary statements**



Signal word: Danger

**Hazard statements**

H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H335 May cause respiratory irritation

**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.

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## **SECTION 4: FIRST-AID MEASURES**

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.

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

In case of inhalation, move to fresh air. If not breathing becomes difficult, give oxygen.

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

## **SECTION 5: FIRE FIGHTING MEASURES**

Not flammable.

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

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

Hazardous decomposition products formed under fire conditions: No information available.

Flash point: Not determined.

Explosion data – sensitivity to mechanical impact: No sensitive.

Explosion data – sensitivity to static discharge: No 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, avoid dust formation. Pick up and transfer to properly labeled containers. 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 acids.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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
Eye/ Face protection	Safety glasses with side-shields.
Skin and body protection	Wear protective gloves/clothing.

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:	Powder
Odor:	No information available
Odor threshold:	No information available
Density:	4.9
pH:	No information available
Melting point:	No information available
Freezing point:	No information available
Initial Boiling point:	No information available
Boiling point:	No information available
Flash point:	No information available
Autoignition temperature:	No information available
Decomposition temperature:	No information available
Upper Flammability limit in air:	No data available
Lower Flammability limit in air:	No data available
Oxidizing properties:	No information available
Solubility:	No information available
Partition coefficient (n-octanol/water):	No data available
Vapor pressure:	No information available
Vapor density:	No data available
Evaporation rate:	No data available
Specific gravity:	1.7
Viscosity:	No information available
Specific gravity:	No data available
Solubility:	Water soluble

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Vapor density:	No data available
Partition coefficient (n-octanol/water):	No data available
Evaporation rate:	No data available

## SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Incompatible products:	Strong acids.
Hazardous decomposition products:	No information available.
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Hygroscopic.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

Causes skin, eye and respiratory tract irritation.

Oral LD50:	Rat – 17 g/kg
Inhalation LC50:	-
Dermal LD50:	-

### Chronic toxicity

No known effect based on information supplied

Target Organ Effects:	None known.
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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 all federal, state and local regulations.

For contaminated packaging, dispose as waste material.

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**SECTION 14: TRANSPORT INFORMATION**

**DOT**

Not regulated

**IATA**

Not regulated

**SECTION 15: REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**U.S Federal Regulations**

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulation, 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)

Chemical name: Sodium phosphate dibasic

CWA – Reportable quantities: 5000 lb

CWA – Hazardous substances: X

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

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

Chemical name: Sodium phosphate dibasic

Hazardous substance RQs: 5000 lb

## **U.S. State Regulations**

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

Chemical name: Sodium phosphate dibasic

Massachusetts: X

New Jersey: X

Pennsylvania: X

Illinois: -

Rhode Island: -

## **International Regulations**

### **Mexico – Grade**

No information available.

## **WHMIS Hazard Class**

D2B Toxic materials



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## **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.

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