



**Importers and dealers of**

- Natural and Organic Oils
- Essential Oils
- Natural Powders
- Clays, etc
- Agro Products
- General Contracts

## Material Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identification

Product name: Sodium phytate

Product model: None

#### 1.2 Recommended Use and restricted use of the product

Recommended use: food additive

Restricted use: No data available

#### 1.3 Product manufacturer or supplier information

Manufacturer: SOPHIX NATURAL AND AGRO

PRODUCTS LTD

Address 5, Olayinka Owodunni Street, Off Sule Abore, Behind NNPC Filling Station, Ojodu Berger, Lagos

Contact number : +234 7061111838

E-mail : sophixnatural@gmail.com

#### 1.4 Enterprise emergency phone

Enterprise emergency telephone : +234 7061111838

### 2. COMPOSITION INFORMATION

Product Description: Substance ( ); Prepared products (√); Items ( )

Component name	CAS login number	Weight percentage (%)
Sodium phytate	14306-25-3	> 75%
Inorganic phosphorus	-	0.01
chloride	-	< 0.01%
sulfate	-	< 0.01%
Calcium salt	-	< 0.01%

Abbreviation : CAS: Chemical Abstracts entry number



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### 3. Risk Overview

#### 3.1 Risk Categories

According to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), the classifications are as follows:

Acute toxicity - Oral category 4

#### 3.2 Label Elements, including precautions



Pictogram:

Signal word: warning

Hazard information: H302 is harmful to swallowing.

Precautions:

Preventive measures: P264 clean thoroughly after operation.

P270 Do not eat, drink or smoke while using this product.

Accident response: P301+P330+P312 If swallowed by mistake: Gargle.

If you feel unwell, call the poison emergency center/doctor.

Safe storage: None

Waste disposal: P501 dispose of contents/containers in accordance with local/regional/national/international regulations.

### 4. First aid measure

#### 4.1 Description of first aid measures:

Inhalation: Leave the exposure site immediately to breathe fresh air. Remove dust from your throat and nose. If you feel unwell, seek medical attention

Skin contact: Rinse with plenty of water. Remove contaminated clothing and wash it before reuse.

If irritation persists, seek medical attention.

Eye contact: Lift eyelids and rinse with plenty of water. If irritation persists, seek medical attention.



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Ingestion: If conscious, gargle with water. Do not feed anything to an unconscious person.

Seek immediate medical attention. Present this safety data sheet or label to the doctor.

4.2 Instructions and instructions for prompt medical treatment and required special treatment: appropriate medicine. Treat the symptoms effectively.



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## 5. Fire protection measures

5.1 Fire extinguishing methods and extinguishing agents:

Extinguish fires with water mist, ethanol resistant foam, dry powder or carbon dioxide.

5.2 Particular hazards arising from this substance or mixture:

Superheated decomposition products - carbon oxide, phosphorus oxide, sodium oxide, etc.

5.3 Protective equipment for fire personnel:

Evacuate people to safety. Fire personnel should wear appropriate protective equipment and positive pressure self-contained breathing devices. If possible, move the container from the fire to an open area.

5.4 Further information:

No data available.

## 6. Leakage emergency treatment

6.1 Protective measures, protective equipment and emergency procedures for operators:

provide adequate ventilation. Avoid blowing dust. Avoid inhaling dust. Use appropriate personal protective equipment.

6.2 Environmental Protection Measures:

If safety can be ensured, measures can be taken to prevent further leaks or spills.

Prevent mass discharge into waterways and drainage ditches.

6.3 Containment and removal methods of leaking chemicals and disposal materials used: avoid dust.

Collect the product in a clean container by vacuuming and sweeping.

Collected products are recycled or transported to waste disposal sites for disposal.

## 7. Operation disposal and storage

7.1 Operation Handling:

Avoid blowing dust. Avoid inhaling dust or aerosols. Avoid direct contact with skin and eyes.

After operation, wash hands with water and soap before eating, drinking and smoking.

Keep away from high heat, open flame, anti-static.



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7.2 Storage:

Conditions for safe storage:

Keep the container airtight and store in a cool, dry warehouse. Keep away from heat and fire. Do not store with prohibited compounds. Forbidden compound: strong oxidizing agent.

**8. Contact control and personal protection**

8.1 Occupational Exposure limits:

Substances that do not contain occupational exposure limits.

8.2 Exposure Control

Engineering control: Routine industrial hygiene operations. It is recommended to provide a local exhaust device for large storage or when dust exists.

Personal Protective Equipment:

Respiratory protection: There is no need to protect the breath. For protection against dust damage, use type N95 (US) or Type PI (EN 143) dust masks.

Eye protection: When there is a risk of getting dust into the eyes, use equipment that has been tested and approved by official standards such as NIOSH(USA) or EN 166(EU).

Body protection: a full set of chemical reagent protective overalls. The type of protective equipment must be selected according to the concentration and quantity of hazardous substances in a particular workplace.

Skin protection: Wear plastic or rubber gloves.

General protection and hygiene: Operate in accordance with good industrial health and safety practices. Wash your hands before breaks and at the end of the workday.

**9. Physicochemical properties**

Basic information	
Form	powder
Colour	white
smell	tasteless
PH value	12

Flammable or not: No



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## 10. Stability and reactivity

10.1 Stability: The product is stable under normal storage conditions.

10.2 Hazardous reactions: There are no known hazardous reactions under normal use.

10.3 Conditions to Avoid: No data.

10.4 Forbidden compounds: strong oxidant, strong acid.

10.5 Hazardous decomposition Products: Harmful combustion products - see section 5.

Other decomposition products - No data available.



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## 11. Toxicological information

Acute Toxicity: The product is classified as acute toxicity - oral, Category 4: harmful to swallow.

LD50- Rat intraperitoneal: 195mg/kg.

Skin corrosion/irritation: No related classification.

Eye damage/irritation: No related classification.

Respiratory allergy: No known sensitizing effect.

Skin allergy: No known sensitizing effect.

Carcinogenicity: Not classified as a carcinogen or suspected carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

Germ cell mutation: No related classification.

Reproductive toxicity: No related classification.

STOT - Single contact: No related classification.

STOT - Repeated contact: No correlation classification.

Inhalation hazard: No related classification.

Potential health effects: Route of invasion:

Eye contact; Skin contact; Inhalation; intake

Inhalation: Inhalation of dust may cause respiratory irritation.

Oral: Harmful to swallow.

Skin contact: May cause minor skin irritation.

Eye contact: May cause eye irritation.

## 12. Toxicological information

12. Ecological information

12.1 Ecotoxicity: No data available

12.2 Persistence and degradability: No data available

12.3 Potential bioaccumulation: No data available

12.4 Migration in soils: No data available

12.5 Evaluation of PBT and vPvB results: No data available

12.6 Other harmful effects on the environment: Prevent large discharges into waterways and drainage ditches.

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**13. Waste disposal**

Waste disposal method: Products: Non-hazardous waste. Recycle whenever possible.  
 Give the remaining and non-recyclable products to a licensed company for disposal.  
 Before disposing of a large amount of waste, the relevant regulations of the national, local and local environmental protection authorities should be referred to.  
 Contaminated packaging: Dispose of as unused products after emptying.

**14. Transportation information**

14.1 United Nations Dangerous Goods Number (UN Number)ADR/RID/ADN, IMDG, IATA not applicable  
 14.2 UN Shipping name  
 ADR/RID/ADN, IMDG, IATA not applicable  
 14.3 Transportation risk level  
 ADR/RID/ADN, IMDG, IATA  
 Level not applicable  
 Label not applicable  
 14.4 Packaging groups  
 ADR/RID/ADN, IMDG, IATA not applicable  
 14.5 Environmental hazards not applicable  
 14.6 User Special Precautions do not apply  
 14.7 Annex 2 to MARPOL73/78(Convention for the Prevention of Marine Pollution Caused by Ships) and bulk shipments under IBC Code(International Cargo on Board Code) do not apply  
 14.8 Shipping/Additional Information:  
 According to the above specifications are not dangerous UN" standard provisions ": not applicable

**15. Regulatory information**

15.1 Regulations/regulations dedicated to the safety, health and environment of such substances or mixtures  
 International Lists of existing chemical substances:

CAS number	EINEC	TSCA	DSL	IECSC	NZIoC	PICCs	KECI	AICS
14306-25-3	enrol	Not included	Not included	enrol	enrol	enrol	Not included	enrol



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Note:

EINECS European Existing Chemical Substance List TSCA U.S.

TSCA Chemical Substance List

DSL Canadian Domestic Chemical Substance List

IECSC China Existing Chemical Substance List

NZIoC New Zealand existing temporary list of chemical substances

PICCS Philippines List of Chemicals and Chemical Substances

KECI Korea Existing List of chemical substances

AICS List of existing chemical substances in Australia

#### 15.2 Chemical safety assessment

The product has not been evaluated for chemical safety.

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## 16. Other information

### 16.1 References:

[1] International Programme on Chemical Safety: International Chemical Safety Card (ICSC)

Website: <http://www.ilo.org/dyn/icsclshowcard.home>

[2] Eu REACH database of registered substances

Website: <http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>

[3] OECD Global Chemicals Information Platform

Website: [http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en)

[4] U.S. CAMEO chemical substance database

Website: <http://cameochemicals.noaa.gov/search/simple>

[5] Library of American Medicine: Chemical labeling database

Website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>

[6] The U.S. environmental protection agency: integrated risk information system website:

<http://cfpub.epa.gov/iris/>

[7] United States Department of Transportation: Emergency Response Guidelines

Website: <http://www.phmsa.dot.gov/hazmat/library/erg>

[8] Germany GESTIS- Hazardous Substances Database

website: <http://lgestis-en.itrust.de/>

[9] International Agency for Research on Cancer

website: <http://www.iarc.fr/>

### 16.2 Abbreviation:

PC-STEL short time exposure tolerance concentration

PC-TWA time weighted average

IARC International Agency for Research on Cancer

LC5050% lethal concentration

LD5050% lethal dose

EC5050% effective concentration

PBT persistence, bioaccumulation, toxicity

vPvB persistence, bioaccumulation

IMDG International Maritime Organization

IATA International Air Transport Association

ICAO International Civil Aviation Organization United Nations

NTP US National Toxicology Division



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ACGIH American Conference on Industrial Hygiene  
OSHA United States Occupational Safety and Health Administration  
NIOSH National Institute for Occupational Safety and Health

#### 16.3 Disclaimer:

The format of this safety technical specification is in line with the preparation requirements of the 8th edition of the Global Harmonized System of Classification and Labeling of Chemicals (GHS). The data comes from international authoritative databases and data submitted by enterprises. Other information is based on the current knowledge of the company, and we try our best to ensure the correctness of all the information. However, due to the diversity of information sources and the limitations of the Company's knowledge, this document is for users' reference only. The user of the safety technical manual shall make a judgment on the reasonableness of the relevant information according to the purpose of use. We shall not be liable for any damage arising from the operation, storage, use or disposal of this product.