

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH), Annex II

Version: 1.0/EN
18/02/2011

Revision date:

Product name: Sodium phytate

Printing date: 18/02/2011

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Sodium phytate; Phytic acid sodium salt; Phytic acid dodecasodium
Substance name: Myo-Inositol, hexakis(dihydrogen phosphate), sodium salt
REACH Reg. No.: No registration number is given yet for this phase-in substance.
Index No.: Not Listed.
CAS No.: 14306-25-3
EC No.: 238-242-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Used as antioxidant, chelating agent, whitening ingredients.
Uses advised against: No uses advised against.

1.3 Details of the supplier of the SDS

Manufacturer: TONGXIANG XINYANG FOOD ADDITIVES CO., LTD.
Address: Qili Village, Gaoqiao Town, Tongxiang City, Zhejiang, China
E-mail: CWH651328@163.com
Telephone: +86-573-88991278
Fax: +86-573-88991331

Importer:
Address:
Postcode:
E-mail:
Telephone:
Fax:

1.4 Emergency telephone number

In China: +86-573-88991278 (Office hours available.)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Classification according to Council Directive 67/548/EEC [DSD]

This product does not meet the criteria for classification in any hazard class according to Directive 67/548/EEC on classification, labelling and packaging of substances.

2.2 Label elements

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Labelling according to Regulation (EC) No 1272/2008 [CLP]

No labelling information (such as hazard pictogram, signal word, hazard statement, precautionary statement) available. This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.3 Other hazards

No information available.

Section 3: Composition/information on ingredients

3.1 Substance information

Substance name	CAS No.	EC No.	Index No.	Molecular Formula	Classification	% (w/w)
Myo-Inositol, hexakis(dihydrogen phosphate), sodium salt	14306-25-3	238-242-6	Not listed.	C ₆ H ₆ O ₂₄ P ₆ Na ₁₂	Not classified.	96

Remark: The rest unspecified ingredients are impurities.

Section 4: First aid measures

4.1 Description of first aid measures

General notes: In all cases of doubt, or when symptoms persist, seek medical attention.

Following inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, seek medical advice.

Following skin contact:

Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Seek medical advice if irritation persists.

Following eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Seek medical advice if irritation persists.

Following ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical aid.

Notes for the doctor:

Treat symptomatically and supportively.

4.2 Most important symptoms and effects, both acute and delayed

No relevant information available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of the immediate medical attention and special treatment needed

No information available.

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Section 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media:

For this substance no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

May be combustible at high temperature.

Hazardous combustion products: Carbon oxides, oxides of phosphorus, sodium oxides.

5.3 Advice for fire-fighters

Do not stay in dangerous zone without self-contained breathing apparatus.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

Prevent fire-fighting water from entering surface water or groundwater.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas.

6.2 Environmental precautions

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

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

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7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 : Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

No occupational exposure limit values established.

DNEL(Derived No Effect Level) for workers and the general population:

No DNEL values available for workers and the general population.

PNEC(Predicted No Effect Concentration) values:

No PNEC values available for the substance.

8.2 Exposure controls

Appropriate engineering controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment:

Eye and face protection: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin protection: Wear appropriate protective clothing and gloves to prevent skin exposure.

Respiratory protection: In an emergency, respiratory protection must be worn.

Environmental exposure controls:

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

Discharge into the environment must be avoided.

Industrial hygiene:

Handle in accordance with good industrial hygiene and safety practice.

Avoid inhalation of vapour or mist.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Solid, powder
Colour:	White
Odour:	Odourless
pH:	11.5 at 1% aqueous solution

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Melting point:	No data available.
Boiling point:	No data available.
Density:	No data available.
Vapour pressure:	No data available.
Partition coefficient (n -octanol/water):	No data available.
Solubility(ies):	Soluble in water.
Flash point:	No data available.
Auto-ignition temperature:	No data available.
Flammability:	Not flammable.
Explosive properties:	Not explosive.
Oxidising properties:	No oxidising properties.

9.2 Other information

No other information available.

Section 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions (see section 7, handling and storage).

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Incompatible materials. Strong heating. Moisture.

10.5 Incompatible materials

Strong oxidizing agents, strong oxidizing agents, strong acids.

10.6 Hazardous decomposition products

Carbon oxides, oxides of phosphorus, sodium oxides.

Section 11: Toxicological information

11.1 Toxicokinetics, metabolism and distribution

No relevant information available.

11.2 Information on toxicological effects

Acute toxicity:

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Quantitative data on the acute oral/inhalation/dermal toxicity of this product are not available.

Other toxicity data:

LD₅₀ = 195 mg/kg (rat, intraperitoneal); LD₅₀ = 83 mg/kg (mouse, intraperitoneal);

LDLo = 4000 mg/kg (guinea pig, subcutaneous); LDLo = 400 mg/kg (guinea pig, intraperitoneal);

LDLo = 23 mg/kg (rabbit, intravenous); LDLo = 1400 mg/kg (rabbit, subcutaneous);

Skin corrosion/irritation:

No information available.

Serious eye damage/irritation:

No information available.

Respiratory or skin sensitization:

No information available.

CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction):

No information available.

STOT-single exposure and repeated exposure:

No information available.

Additional information:

RTECS No.: NM7535000.

Section 12: Ecological information

12.1 Toxicity

Quantitative data on the acute fish/daphnia/algae/bacteria toxicity of this product are not available.

12.2 Persistence and degradability

Based on best current information, there is no data known associated with this product.

12.3 Bioaccumulative potential

Based on best current information, there is no data known associated with this product.

12.4 Mobility in soil

Based on best current information, there is no data known associated with this product.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6 Other adverse effects

No other adverse effects known.

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste must be disposed of in accordance with state and local environmental control regulations.

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Section 14: Transport information

14.1 Land transport (ADR/RID/GGVSE)

This product is not regulated as a hazardous material or dangerous goods for transportation.

14.2 Sea transport (IMDG-Code/GGVSee)

This product is not regulated as a hazardous material or dangerous goods for transportation.

14.3 Air transport (ICAO-TI/IATA-DGR)

This product is not regulated as a hazardous material or dangerous goods for transportation.

14.4 Additional information

No other information available.

Section 15: Regulatory information

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

EU regulation:

Authorisations:

No information available.

Restrictions on use:

No information available.

EINECS:

CAS# 14306-25-3 is listed in the inventory.

DSD (67/548/EEC):

CAS# 14306-25-3 is not listed in the Annex I.

Other chemical regulation:

USA - TSCA:

CAS# 14306-25-3 is listed in the inventory.

Canada - DSL/NDSL:

CAS# 14306-25-3 is not specified on any list.

Australia - AICS:

CAS# 14306-25-3 is listed in the inventory.

Korea - ECL:

CAS# 14306-25-3 is not listed in the inventory.

Japan - ENCS:

CAS# 14306-25-3 is not listed in the inventory.

China - IECSC:

CAS# 14306-25-3 is listed in the inventory.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

Section 16: Other information

16.1 Revision Information:

Date of the previous revision: Not applicable.

Date of this revision: 18/02/2011.

Revision summary: The first new SDS

16.2 Abbreviations and acronyms

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CLP:	EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
EINECS:	European Inventory of Existing Commercial Chemical Substances.
RID:	European Rail Transport.
IMDG:	International Maritime Code for Dangerous Goods.
IATA:	International Air Transport Association.
OSHA:	The United States Occupational Safety and Health Administration.
TSCA:	Toxic Substances Control Act, The American chemical inventory.
DSD:	Dangerous Substance Directive (67/548/EEC).
IECSC:	Inventory of existing chemical substances in China.
DSL:	Domestic Substances List, The Canadian chemical inventory.
AICS:	The Australian Inventory of Chemical Substances.
ECL:	Existing Chemicals List, the Korean chemical inventory.
ENCS:	Japanese Existing and New Chemical Substances.

16.3 Key literature references and sources for data

ESIS Dataset: European chemical Substances Information System.

NLM: U.S. National Library of Medicine.

The Chemical Database: The Department of Chemistry of the University of Akron.

16.4 Relevant R-phrases and H-statements

Not applicable. This product does not meet the criteria for classification in any hazard class according to EU Classification Regulation.

16.5 Training advice

Provide adequate information, instruction and training for operators.

16.6 Declare to reader

The information in this Safety Data Sheet (SDS) was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.

----- End of the SDS -----