

浙江圣达生物药业股份有限公司
Zhejiang Shengda Bio-Pharm Co., Ltd.

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Safety Data Sheet
According to Regulation (EC) No 1907/2006

Folic Acid

Version 2.0

Issue date: 06/05/2017

Revision date: 06/05/2017

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

1.1 Product identifier:

Identification on the label/Trade name: Folic Acid
Additional identification: Not available
Identification of the product: CAS#59-30-3 EC#200-419-0
Index Number: Not available
REACH Registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Food, Feed and veterinary.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Manufacturer): Zhejiang Shengda Bio-Pharm Co., Ltd.
Address: No.789,Renmin East Road, Tiantai, Zhejiang, China
Contact person(E-mail): export@sd-pharm.com
Telephone: +86-576-83881111/83966232/ 13758609918
Fax: +86-576-83993731/83993730

1.4 Emergency telephone Number:

86-576-83881111

Available outside office hours?

YES

NO

Section 2 Hazards Identification

GHS classification Not a hazardous substance or mixture.
GHS label elements Not a hazardous substance or mixture.
Hazards not otherwise classified (HNOC) or not covered by GHS None

Section 3 Composition/information on ingredients

Substance/Mixture: Substance
Ingredient(s):

Product name: Folic Acid

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Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Folic Acid	-	59-30-3	200-419-0	95.0% - 102.0%

Section 4 First aid measures

4.1 Description of first aid measures:

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

4.1.1 In case of inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

4.1.2 In case of skin contact:

Wash off with soap and plenty of water.

4.1.3 In case of eyes contact:

Flush eyes with water as a precaution.

4.1.4 In case of ingestion:

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

4.2 Most important symptoms and effects, both acute and delayed:

Causes skin irritation. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed:

Not available.

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:

Not available.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Carbon oxides, nitrogen oxides (NOx).

5.3 Special fire fighting methods and special protective actions for fire-fighters:

Firefighters must wear fire resistant protective equipment. Wear approved respirator and protective gloves.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Remove ignition sources. Provide adequate ventilation. Avoid inhalation dust. Avoid skin and eye contact. For personal protection see Section 8.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

6.2 Environmental Precautions:

Avoid disposing into drainage/sewer system or directly into the aquatic environment.

6.3 Methods 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.

6.5 Additional information:

Not applicable.

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Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Protected from light and preserved in well-closed containers. The shelf life is 36 months from the date of production when stored in the unopened original container at room temperature

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection: Handle with gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection: Wear suitable protective clothing to prevent skin exposure.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.

According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: Solid (Crystalline powder)

Colour: Yellow or orange

Odour: Odorless

Odour threshold: Not available

pH: Not available

Melting point/range (°C): > 285 °C

Boiling point/range (°C): Not available

Flash point (°C): Not available

Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Relative Density:	Not available
Bulk density (kg/m ³):	Not available
Water solubility:	≤8.5%(Karl Fischer)
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	C ₁₉ H ₁₉ N ₇ O ₆
Molecular Weight:	441.40

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	It is practically insoluble in ethanol, acetone, chloroform or ether; dissolves in alkali hydroxide or dilute solution of carbonate.
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Carbon oxides, nitrogen oxides (NOx).

Section 11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution:	
Non-human toxicological data:	Not available
11.2 Information on toxicological effects:	
Acute toxicity:	
LD50(Oral, Rat):	Not available
LD50(Dermal, Rabbit):	Not available
LC50(Inhalation, Rat):	Not available

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Skin corrosion/Irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

Section 12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	It is practically insoluble in water.
Results of PBT&vPvB assessment:	Not available.
Other adverse effects:	Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:	Due to the high risk of contamination recycling/recovery is not recommended. Waste disposal in accordance with regulations (most probably controlled incineration).
13.2 Product / Packaging disposal:	According to local regulations. Emptied container might retain product residues. Follow all warnings even after the container is emptied.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

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Section 15 Regulation information

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

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

Chemical Safety Assessment has been carried out? YES NO

Section 16 Other information

16.1 Indication of changes:

Version 2.0 Amended by EU No 453/2010

16.2 Relevant R- phrases (number and full text):

R36/38: Irritating to eyes and skin.

16.3 Training instructions:

Not applicable.

16.4 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.5 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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