Material Safety Data Sheet

50% VITAMIN E POWDER

SECTION 1: IDENTIFICATION OF PRODUCT AND MANUFACTURER

1.1 Name of product: 50% VITAMIN E POWDER

1.2 Manufacturer's product code number: N/A

1.3 Name and address of manufacturer:

Company: Jilin Beisha Pharmaceutical Co., Ltd.

Address: No.138, Zhengda street, Jilin Economic Development Area, Jilin City, Jilin Province, The People's Republic of China

Tel: +86-432-65116918

Fax: +86-432-65116928

1.4 Number of emergency call: +86-432-65116918

SECTION 2: COMPONENTS

The product is feed additive or food additive.

2.1 Chemical name:

dl-Alpha-2,5,7,8-Tetramethyl-2-(4,8,12-trimethyltridecyl)-3,4-dihydro-2H-1-benzopyran-6-yl acetate Powder

2.2 Molecular formula: $C_{31}H_{52}O_3$

2.3 Synonyms: DL-α-Tocopheryl acetate Powder, O-Acetyl-α-tocopherol Powder, DL-α-Tocopherol acetate Powder, 50% Vitamin E Powder, 50% Vitamin E Acetate Powder

2.4 C.A.S. number: [7695-91-2]

2.5 Dangerous components: None

SECTION 3: DANGER IDENTIFICATION

3.1 Danger on health

3.1.1 Threshold limit value: Not established

3.1.2 Primary route(s) of exposure: Inhalation or ingestion

3.1.3 Signs and symptoms of overexposure: Possible gastrointestinal tract or respiratory organs irritation if inhaled, or ingested in overdose.

3.1.4 Skin: Possible skin irritation if contact.

3.1.5 Eyes: Possible eyes irritation if contact.

3.2 Danger on surrounding: Not established

3.3 Physical and chemical hazard data: None

SECTION 4: EMERGENCY FIRST AID MEASURES

4.1 Eye contact: Remove from exposure. Flush eyes including the area below eyelid with copious quantities of pure
Water. Obtain medical attention.

4.2 Skin contact: Remove from exposure. Flush affected area with soap and plenty of water. Obtain medical attention.

4.3 Oral ingestion: Remove from exposure. Wash mouth cavity with plenty of water. Obtain medical attention.

4.4 Special advice to rescuers: None

4.5 Instructions for doctor: In accordance with adverse effect, treatment and precautions of *dl*-Alpha-Tocopherol Acetate and Silicon dioxide.

SECTION 5: FIRE

5.1 Fire hazard: As with all dry powder it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

5.2 Extinguishing media: Extinguishing media can be used, such as water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

5.3 Extinguishing media that mustn't be used for safety: None

5.4 Special fire fighting procedures: As with fire, evacuate personnel to safe area. Firefighters should use self-contained breathing equipment and protective clothing. Those who have a history of hypersensitivity to *dl*-Alpha-Tocopherol Acetate or Silicon dioxide must not contact with the product.

SECTION 6: SPILLAGES

6.1 Measures to be taken for spillage: Vacuum or sweep up spillage. Avoid dust. Place spillage in appropriate container for waste disposal and follow the state and local regulations for waste disposal method. Wash the dust on surface of equipment with water. Wash contaminated clothing before reuse. Ventilate area and wash spilled site.

6.2 Measures to be taken for individuals: Wear approved respirator, safety goggles, and chemically compatible gloves. Those who have a history of hypersensitivity to *dl*-Alpha-Tocopherol Acetate or Silicon dioxide must not contact with the product.

6.3 Measures to be taken for environment: Follow the state and local regulations for waste disposal methods. No spillage is allowed to discharge into sewer, river or soil.

SECTION 7: STORAGE

7.1 Requirements: The product should be preserved avoiding light and moisture. The working site or workshop shall be well ventilated and equipped with dustproof equipment and dust remover.

7.2 Storage: The product should be stored in a dry and well-ventilated place at room temperature, and protected from light and moisture.

Primary Packaging material: Low Density Polyethylene bag.

Maximum quantity to store: N/A

SECTION 8: STAFF PROTECTION

8.1 Special equipment required: Workshop for the product shall be equipped with dustproof equipment, dust remover and well-ventilated.

8.2 Personnel protection

8.2.1 Measures to avoid inhalation: Wear appropriate mask and approved respirator for mouth and/or face.

8.2.2 Protection of skin: Wear chemically compatible gloves and appropriate working clothing to decrease the area exposed as little as possible. Protection of eyes: Wear safety goggles.

8.3 Limit for dust in the air: In accordance with plant health and safety regulations.

8.4 Technical measures to reduce dust: Operate in closed equipment. Workshop shall be well ventilated with dust remover and dustproof equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance: Almost white or faint yellow powder or granular powder. Hygroscopic.

9.2 Acidity or alkalinity: N/A.

9.3 odor : N/A.

9.4 Melting point: N/A

9.5 Inflammation explosion conditions: N/A

9.6 Density: None

9.7 Solubility: Practically insoluble in water.

9.8 Flash point: N/A

9.9 Flammable limits: Lower: N/A, Upper: N/A

9.10 Content: ⩾50.0%($C_{31}H_{52}O_3$)

9.11 Safety precautions for the use of the product: Use the product in a place, which is well ventilated, and equipped with dust remover and dustproof equipment. Avoid contacting with skin.

SECTION 10: STABILITY AND REACTIVITY

10.1 Stability under normal condition: N/A.

10.2 Reactivity under normal conditions: N/A.

10.3 Precautions in use: Unless otherwise specified in manufacturing process, avoid mixing with

strong oxidizing agents.

10.4 Hazardous byproducts produced during manufacturing process: Not established

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 High toxicity: None

11.2 Chronic toxicity: Low hazard for usual industrial handling or commercial handling.

11.3 LD_{50}: N/A.

11.4 Cancer genesis: None

11.5 Mutagenesis: None

11.6 Toxicity for reproduction: None

11.7 Irritation to eyes or skin: None

11.8 Photosensitivity: N/A.

SECTION 12: ECOTOXICOLOGICAL EFFECT ON SURROUNDINGS

12.1 Mobility: The product is solid and practically insoluble in water. It cannot diffuse gone with air or flowing water everywhere.

12.2 Degradability: Lack of data available, the product is assumed to be degradable over a long period step by step under oxidation, illumination, and microbial effect in the air.

12.3 Bioaccumulation: Lack of data available.

12.4 Effect on environment: The product has no expectable effect on environment under normal use.

12.5 Precautions: Lack of data available.

SECTION 13: DISPOSAL

13.1 Treatment of disposal: In accordance with state and provincial regulations, send to the factory concerned for recovery or follow the rules of treatment to industrial solid waste.

13.2 Treatment of used packing materials: The outer-packaging can be reused, and the inner-packaging of polyethylene sacks can be recovered for polyethylene.

SECTION 14: TRANSPORT

Not regulated

IMDG/IMO Not regulated

SECTION 15: REGULATORY INFORMATION

15.1 Information of danger on label: None

15.2 Regulations: In accordance with the provisions of the management for feed additive or food additive substances and feed additive or food additive products issued by the government.

SECTION 16: OTHER INFORMATION

No. 138 Zhengda Street, Jilin Economic Development Area, Jilin, Jilin Province, 132101, P. R. China

TEL : +86 432 65116918 FAX : +86 432 65116928

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.

Users should make their own investigations to determine the suitability of the information for their particular purposes.

No. 138 Zhengda Street, Jilin Economic Development Area, Jilin, Jilin Province, 132101, P. R. China
TEL : +86 432 65116918 FAX : +86 432 65116928