

# Material Safety Data Sheet

## Section1-Identification of the substance

1.1 Identification of the substance: Glucoraphanin 13%-Broccoli Seed Extract

Synonyms: Sulforaphane glucosinolate 13%

Product code: 60202017

1.2 Company : Pioneer Herb Industrial Co . Ltd.

Factory: No .1, Yangtang Avenue , Ganzhou high tech Industrial development Zone

Ganxian District , Ganzhou city , Jiangxi province , China 341100

Telephone :+86 797-4600686

Email address: kandy.zhu@pioneerherb.com; info@pioneerherb.com

1.3 Emergency telephone number 24 hrs/7 days:+86 18019305090

## Section2-Hazards Identification

2.1 Classification of the substance or mixture:

Physical Hazards: not classified

Health Hazards: not classified

Environmental Hazards: not classified

2.2 Other hazards:

Carcinogenic effects: Not Available.

Mutagenic effects: Not Available.

Teratogenic effects: Not Available.

Developmental toxicity: Not available.

## Section 3- Composition /Information on ingredients

Substance name: Glucoraphanin

Synonyms: Sulforaphane glucosinolate

CAS No.: 21414-41-5

Formula:  $C_{12}H_{23}NO_{10}S_3$

## Section 4- First Aid Measures

### F4.1 First aid: Skin

Wash off with soap and plenty of water.

### First aid: Eye

Flush eyes with water as a precaution .

### First aid: Ingestion/swallowed

Wash out mouth with water provided person is conscious.

### First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

### Hints for Physician: Treatment

Treat symptomatically

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

### Hints for Physician: Symptoms

See Section 11 for additional information on health hazards

## Section 5- Fire-Fighting Measures

### 5.1 Suitable extinguishing Media:

Foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

### 5.2 Special hazards arising from the substance or mixture:

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.3 Hazards During Fire-Fighting: toxic fumes

### 5.4 Fire-Fighting/Further Advice:

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately.

This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely

## Section 6- Accidental Release Measures

### 6.1 Personal Precautions, protective equipment and emergency procedures

Wear breathing apparatus if exposed to vapour/dusts/aerosols. Provide adequate ventilation.

### 6.2 Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

### 6.3 Methods and material for containment and cleaning up

Keep in suitable , closed containers for disposal .

### 6.4 Further Accidental Release Measures

Clear contaminated areas thoroughly. Ventilate affected area.

## Section 7- Handling and Storage

### 7.1 Precautions for safe handling

Handling advice: Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage temperature: Keep sealed in original container at room temperature in cool, dark, dry place for long-term storage

Storage Requirements: Keep away from incompatible substances. Keep container tightly sealed in cool, dry places avoid heat, direct sunlight and strong odour. kept upright to prevent leakage.

## Section 8- Exposure Controls / Personal Protection

### 8.1 Exposure limit values

Does not contain any substances with occupational exposure limits.

### 8.2 Exposure controls

Industrial Hygiene: Mechanical exhaust required. Safety shower and eye shower.

### 8.3 Personal Protective Equipment

Respiratory Protection:

Wear appropriate protective/qualified mask if there is a risk of splashing

Hand Protection:

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection:

Wear appropriate protective eyeglasses or chemical safety goggles if there is a risk of splashing

Body Protection:

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling:

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

Clean all items come into contact before and after each use.

## Section 9- Physical And Chemical Properties

Appearance : Powder

Color : White to tan

Odor : Characteristic

Please contact us for more details .

## Section 10- Stability and Reactivity

10.1 Reactivity: No Data Available

10.2 Chemical stability: No Data Available

10.3 Possibility of hazardous reaction: No Data Available

10.4 Conditions to Avoid (SDS):

incompatible materials, extremely temperature and circumstance.

avoid exposure and keep sealed once open, finishing as soon as possible once opened.

10.5 Incompatible materials:

Strong oxidizers, Oxidation promoting agents (heat/light/Moisture)

10.6 Hazardous decomposition products: No Data Available

## Section 11-Toxicological Information

Information on toxicological effects: No evidence for healthy warnings noted until now

Other Relevant Toxicity Information: We are not aware of any toxicology data.

## Section 12 - Ecological Information

12.1 Toxicity: No data available show negative influence on environment.

12.2 Persistence and degradability: no data available

12.3 Bio-accumulative potential: no data available

12.4 Mobility in soil: no data available

12.5 Results of PBT assessment: no data available

12.6 Other adverse effects: no data available

## Section 13-Disposal Considerations

Advice on Disposal and Packaging:

Disposal according to local and national regulations, laws applicable.

## Section 14 - Transport Regulations

Not dangerous, No restrictions on transportation by land, sea or air.

## Section 15- Regulatory Information

All in accordance with relative regulations locally for different applications/uses.

## Section 16-Other Information

Disclaimer: The information in this leaflet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

User assumes all responsibility for compliance with all laws and regulations implicated by use of this material.

VERSION: 20240322