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NO.2619120097

# SAFETY DATA SHEET

Product Name: Gamma Oryzanol

Effective Date: 2020-01-05

Compiler: Zhoujuefei

Checker: Dongxuesheng

Approver: Zhangxiaoyin



Shanghai Research Institute of Chemical Industry Testing Co., Ltd.



# Zhejiang Delekang Food Co.,Ltd.

## SAFETY DATA SHEET

### Gamma Oryzanol

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#### SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Gamma Oryzanol  
Company: Zhejiang Delekang Food Co.,Ltd.  
Address: No.30 Chunhui Middle Road, Yong'an Industrial Park, Xianju County, Taizhou City, Zhejiang Province, 317317, P.R.China  
Email: wendy@zjdk.com  
Fax: 86-576-87011037  
Emergency Phone: 86-576-87018166  
SDS Number: 2619120097  
Effective Date: 2020-01-05

#### SECTION2 HAZARDS IDENTIFICATION

GHS Classification:

Physical Hazards:

Not Classified

Health Hazards:

Acute toxicity - Dermal Category 4

Environmental Hazards:

Classification not possible

The hazards not mentioned are not applicable or no data available.

GHS Labelling:

Pictogram:



Signal Word:

Warning

Hazard Statements:

H312 Harmful in contact with skin.

Prevention Precautionary Statements:

P280 Wear protective gloves/protective clothing.

**Response Precautionary Statements:**

P302+P352 IF ON SKIN: Wash with plenty of water.

P317 Get medical help.

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

**Storage Precautionary Statements:**

Unknown

**Disposal Precautionary Statements:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

**Other Hazards:**

The product lacks data or information for classification, and thus we could not confirm its health hazards and environmental hazards.

**SECTION3 INFORMATION ON INGREDIENTS**

Product name: Gamma Oryzanol

Ingredient	Concentration	CAS No.	EC No.
Cycloartenyl ferulate	25-45%	11042-64-1	/
24-Methylene cycloartanyl ferulate	35-40%	469-36-3	/
Campesteryl ferulate	8-10%	20972-07-0	/
Sitosteryl ferulate	3-5%	286011-30-1	/

**SECTION4 FIRST-AID MEASURES****Skin Exposure:**

In case of skin contact, flush with copious amounts of water. If irritation persists, call a physician.

**Eye Exposure:**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

**Inhalation Exposure:**

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Oral Exposure:**

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

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

No data available.

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

No data available.

**SECTION5 FIRE FIGHTING MEASURES****Extinguishing Media:**

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.

**Special hazards arising from the substance or mixture:**

May decompose upon combustion or in high temperatures to generate Carbon oxides.

**Advice for firefighters:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place.

**SECTION6 ACCIDENTAL RELEASE MEASURES****Personal Precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid breathing dust. Entry to noninvolved personnel should be controlled around the leakage area by roping off, etc.

**Environmental Precautions:**

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

**Methods and materials for containment and cleaning up:**

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

**SECTION7 HANDLING AND STORAGE****Precautions for safe handling:**

Wear appropriate protective clothing and chemical safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid formation of dust. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Wash hands and face thoroughly after handling. No smoking at working site.

**Conditions for safe storage, including any incompatibilities:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

**SECTION8 EXPOSURE CONTROL/PPE****Control parameters:**

Not set up.

**Appropriate engineering controls:**

Mechanical exhaust required. Safety shower and eye bath.

**Personal Protective Equipment:**

Respiratory: Wear government approved respirator.

Eye: Wear chemical safety glasses.

Clothing: Wear appropriate protective clothing.

Hand: Wear compatible protective gloves.

**Other Protect:**

No smoking, drinking and eating at working site. Wash thoroughly after handling.

**SECTION9 PHYSICAL/CHEMICAL PROPERTIES**

Appearance:	White powder
Odor:	Weak odor
Odor Threshold:	No data available
pH Value:	Not applicable
Solubility(ies):	Hardly soluble in water
Melting Point/ Freezing Point:	166.5°C

Boiling Point, Not applicable  
Initial Boiling  
Point and Boiling  
Range:  
Flash Point Not applicable  
(Closed Cup):  
Density/Relative No data available  
Density:  
Viscosity: Not applicable  
Vapor Pressure: No data available  
Vapor Density: No data available  
n-Octanol/Water No data available  
Partition  
Coefficient:  
Autoignition No data available  
Temperature:  
Decomposition No data available  
Temperature:  
Evaporation Rate: Not applicable

Flammability Not classified in Division 4.1 Flammable Solids.  
(Solid, Gas):

### SECTION10 STABILITY AND REACTIVITY

Reactivity:  
No data available.

Chemical stability:  
Stable under recommended storage conditions.

Possibility of hazardous reactions:  
No data available.

Conditions to Avoid:  
No data available.

Incompatible materials:  
No data available.

Hazardous Decomposition Products:  
Carbon oxides.

### SECTION11 TOXICOLOGICAL INFORMATION

Acute Toxicity:  
Cycloartenyl ferulate:Rat Oral LD<sub>50</sub>: >25000mg/kg; Rat Skin LD<sub>50</sub>: 100mg/kg; Rabbit Skin LD<sub>50</sub>: >1000mg/kg

Skin corrosion/irritation:  
No data available.

Serious eye damage/irritation:  
No data available.

Respiratory Sensitization:  
No data available.

Skin Sensitization:  
No data available.

Germ cell mutagenicity:  
No data available.

Carcinogenicity:  
No data available.

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**Reproductive toxicity:**

No data available.

**Specific target organ toxicity - single exposure:**

No data available.

**Specific target organ toxicity - repeated exposure:**

No data available.

**Aspiration hazard:**

No data available.

**SECTION12 ECOLOGICAL INFORMATION**

**Ecotoxicity:**

No data available.

**Persistence and degradability:**

No data available.

**Bioaccumulative potential:**

No data available.

**Mobility in soil:**

No data available.

**Other adverse effects:**

No data available.

**SECTION13 DISPOSAL CONSIDERATION**

**Appropriate Method of Disposal of Substance:**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

**SECTION14 TRANSPORT INFORMATION**

**RID/ADR:** The substance is not subject to RID/ADR.

**IATA DGR:** The substance is not subject to IATA DGR.

**IMO IMDG Code:** The substance is not subject to IMO IMDG Code.

**SECTION15 REGULATORY INFORMATION**

**Regulation (EC) No.1272/2008 and the amendments:**

Acute toxicity - Dermal Category 4

**SECTION16 OTHER INFORMATION**

**Date:**

2020-01-05

**Department:**

Shanghai Research Institute of Chemical Industry Testing Co., Ltd.  
Tel (Fax) :+86-21-52815377/31765555

**Revision:**

0

**Reference Standard:**

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 8<sup>th</sup> revised edition

**Other Information:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. 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 investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

