

Material Safety Data Sheet

Section 1- Chemical Product and Company Identification

【Product Name】 Geniposide (Gardenia Jasminoides Extract)

【CAS No.】 24512-63-8

【Manufacturer Name】 Guangxi Shanyun Biochemical Science and Technology Co.,
Ltd

【Manufacturer Address】 No.2 industrial park, Luzhai County, Liuzhou city of
Guangxi Zhuang Autonomous Region, 545600, PR China

【Tel】 +86 0772-6828887

【Fax】 +86 0772-2329792

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Section 2- Hazards Summarizing

【Dangerous Sort】 Geniposide extracted from liquid waste which is generated by the production of gardenia yellow pigment, gardenia is the first batch of food and medicine plants released by Ministry of Health of the People's Republic of China in 1994, non-toxic harmless, non-hazardous.

【Invasive Ways:】 N/A

【Health Harm】 N/A

【Environment Hazard】 N/A

【Burning Explosion Harm】 N/A

Section 3- Composition and Information on Ingredients

【CAS No.】 24512-63-8

Item	UV Index	HPLC Index
Purity%	≥90-98	≥90,95,98
Loss on Drying%	≤7	≤7
Arsenic (mg/kg) ≅	≤2	≤2
Lead (mg/kg)	≤5	≤5
Heavy Metal (mg/kg)	≤10	≤10

Section 4- First-aid Measures

N/A

Section 5- Fire Fighting Measures

N/A

Section 6- Accidental Release Measures

N/A

Section 7- Handling and Storage

【Operation Notes】 The operator must go through specialized training, strict adherence to rules.

【Storage Precautions】 5-15°C, avoid light sealing, low temperature preservation.

Section 8- Exposure Controls and Personal Protection

N/A

Section 9- Physical and Chemical Properties

【Appearance】 It's an iridoid glucoside, white powder.

【Smell】 None

【Solubility】 Soluble in water, soluble in ethanol, insoluble in petroleum ether.

【Melting point】 163-164°C

【Main Purposes】

1. It has the effect of Laxative, analgesic choleric and anti-inflammatory, can inhibit gastric secretion and degradation of pancreatic amylase, has a significant effect on the digestive system, cardiovascular system and central nervous system diseases. It also can treat soft tissue injuries, diabetes and other diseases.
2. It's the intermediates of gardenia blue and gardenia red pigment.
3. It can be used as a plant growth promoter and crop-yield promoter.
4. It can be used as a biological monitoring agent.

Section 10- Stability and Reactivity

【Stability】 It can be hydrolyze into genipin by β - glucosidase and amylase.

【Reactivity】 It has a positive reaction to α -naphthol, hydroxamic acid and ferric chloride.

【Aggregate Harm】 None

【Decomposition Products】 None

Section 11- Toxicological Information

N/A

Section 12- Ecological Information

N/A

Section 13- Disposal Considerations

N/A

Section 14- Transportation Considerations

【Package】 Inner packing is polyethylene zip lock, .outside packing is aluminized bags, finally packed by carton.

【Notice】 In the case of transportation, confirm the container is complete and sealed.

Section 15- Regulatory Information

Production Safety Law (June 29, 2002 the Ninth National People's Congress passed twenty-eighth session); Environmental Protection Law (December 26, 1989 Seventh NPC Standing Committee try one session); safety production license of the column (January 7, 2004 the State Council executive meeting 52).

Section 16- Other Information

N/A