

Material Safety Data Sheet

Section 1- Chemical Product and Company Identification

【Product Name】 Gardenia Blue (Gardenia Jasminoides Extract)

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

【Manufacturer Address】 Luzhai County Economic Development Zone, Liuzhou, Guangxi, China.

【PC】 545 600

【Tel】 +86 772-6828887

【Fax】 +86 772-2329792

【Email】 zhuqr2002@gxqianrong.com

Section 2- Hazards Summarizing

【Dangerous Sort】Gardenia is the first batch of food and medicine plants released by Ministry of Health of the People's Republic of China in 1994. Purified water is used in the production process to extract. The entire production process does not use any organic solvents, so the product has no organic solvent residues and is harmless.

【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】 106441-42-3

Item	Powder Index
Color Value E	8-100
Loss on Drying	≤7
Arsenic	≤2
Lead	≤3
Heavy Metal	≤10
Microbiological Indicator	Meet the food additive standard of China

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 and operate strictly adherence to rules;

【Storage Precaution】 Store the product in dry, sealed, shadow condition.

Section 8- Exposure Controls and Personal Protection

N/A

Section 9- Physical and Chemical Properties

【Appearance】 Dark blue powder.

【Smell】 Gardenia special aromatic odor

【PH value】 Its color tone is almost not affected by the changes of the the environment PH value. In PH = 1-11 range, the product can maintain stable blue color.

【Solubility】 It is easily soluble in water, ethanol water liquor, not soluble in acetone and oil.

【Main purposes】 Natural colorant.

Section 10- Stability and Reactivity

【Stability】 The pigment has good reduction resistance and microbial resistance. In the PH range of 1-11, the color basically does not change. It also has good resistance to metal ions;

【Avoid Materials】 Iron

【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