

化学品安全技术说明书

Material Safety Data Sheet

Ver.202603

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	GDPearl CR-50
Company:	Shandong GreenDee New Material Technology Co.,Ltd.
Add:	No.7, Fuxing North Road, Taozhuang Town, Xuecheng District, Zaozhuang City, Shandong Province

SECTION 2: HAZARDS IDENTIFICATION

Emergency Situation Overview:	White powder, odorless, non-flammable. Avoid inhalation and eye contact. In case of excessive eye contact or inhalation, emergency measures and medical treatment are required.
Classification of the GHS:	It is not dangerous products according to GHS(EC1272/2008).
Physical and chemical hazards:	None
Health hazard:	Contact with eyes may cause eye irritation. Excessive inhalation, may cause symptoms such as cough, sneeze, respiratory stimulation.
Environmental hazard:	None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INCI	CAS-No.	Content, %
TITANIUM DIOXIDE	13463-67-7	92-99
ALUMINUM HYDROXIDE	1333-84-2	1-8

SECTION 4: FIRST AID MEASURES

Skin Exposure:	In case of contact, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.
Eye Exposure:	Separate the eyelids and thoroughly rinse the skin with running water. Seek medical attention immediately.
Inhalation Exposure:	If inhal, remove to fresh air. If necessary, get medical attention.
Oral Exposure:	If swallowed, immediately wash out mouth with water provided person is conscious. Call a physician.

SECTION 5: FIRE FIGHTING MEASURES

Hazardous characteristic:	Not flammable and dangerous goods.
Fire extinguishing method and agent:	The product is non-flammable, need combined with the surrounding environment and the situation at that time to confirm suitable fire extinguisher.
Fire protection measures:	Wear protective clothing to prevent skin and eye contact. Use self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency treatment:	Use personal protective equipment. Ensure adequate ventilation. Avoid inhaling dust. Remove all ignition sources. Make sure personnel are away from or upwind of the leak area. No entry for irrelevant personnel. Collect with a cleaning shovel in a dry, clean, covered container for disposal. Avoid dust. Ventilate and spray after cleaning
Environmental protection measures:	Prevent the release of chemicals into the environment. If they leak into the drainage system or aquatic environment, notify the local authorities. Under the condition of ensuring safety, take measures to prevent further leakage or spillage. Prevent the leakage substances from entering sewers, surface water and groundwater. If it directly affects the drinking water environment of nearby residents, notify the nearby residents to temporarily refrain from using drinking water resources.

SECTION 7: HANDLING AND STORAGE

Handling precautions:	Operators should undergo training and strictly follow the operating procedures. It is recommended that operators wear general work protective clothing and appropriate chemical protective gloves. Dust should be avoided. Inhalation should be prevented. Direct contact with the eyes and skin should be avoided. Keep away from fire sources, heat sources, and smoking is strictly prohibited in the workplace. There should be ventilation systems and equipment in the workplace. Avoid contact with strong acids, strong bases, and oxidants. After the operation, thoroughly wash hands and face. When handling, do so gently to prevent the packaging from breaking and getting damp. Equip with corresponding types and quantities of fire-fighting equipment and leak emergency handling devices.
Safe storage conditions:	< 45°C, sealed in a cool and dry place away from light. Keep away from fire and heat. Should be stored separately from oxidants, strong acids, strong bases, etc. The storage area is equipped with the corresponding varieties and quantities of fire fighting equipment, leakage emergency

treatment equipment and appropriate containment materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Maximum allowable concentration:	GBZ 2. 1-2007 Titanium dioxide (CI 77891) dust: PC-TWA Total dust: 8 mg/m ³
Control parameter:	Use local ventilation equipment or other engineering control measures to keep the air below the recommended exposure limit. Ensure that there are safe bathing, eye and body washing areas, as well as safe care locations at the work site.
Personal protective device:	Respiratory protection: When the concentration in the air exceeds the standard, wear a filtering gas mask (half mask). In case of emergency rescue or evacuation, a self-contained breathing apparatus should be worn. Hand protection: Wear rubber oil-resistant gloves. Eye protection: Wear chemical safety goggles. Skin and body protection: Wear work clothes that prevent reading materials from penetrating.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder
Odor:	Odorless or slightly characteristic odor
Volatility:	No data
pH:	6.0-8.0
Dispersibility:	Water/Oil dispersed

SECTION 10: STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Potential hazardous reactions:	No dangerous reaction known under conditions of normal use.
What to avoid:	Avoid exposure to high temperatures or direct sunlight.
Incompatible materials:	Strong acids, alkalies and oxidizing agents.
Hazardous decomposition:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:	No data.
Skin corrosion/allergy:	No data.
Severe eye injury/eye irritation:	No data.
Respiratory or skin allergy:	No data.
Reproductive cell mutability:	No data.

Carcinogenicity:	No data.
Reproductive toxicity:	No data.
Teratogenicity:	No data.
Specific target organ toxicity:	No data.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Titanium dioxide (CI 77891): Fish toxicity LC 50 - Other fish > 1000mg/l - 96 hours Toxicity for mites and other aquatic invertebrates EC 50 - Large mites (water fleas) > 1000mg/l - 48 hours EC 0 - Large mites (water fleas) - 1000mg/l - 48 hours
Durability and degradability:	No data.
The potential for biological accumulations:	No data.
Transportation in soil:	No data.

SECTION 13: DISPOSAL CONSIDERATION

Residual Waste:	Dispose of in accordance with local regulations.
Contaminated Package:	Not applicable.

SECTION 14: TRANSPORT INFORMATION

UN Number:	None
Appropriate shipping name of the United Nations:	ADR/RID: Not belong to dangerous goods. IMDG: Not belong to dangerous goods. IATA: Not belong to dangerous goods.
Transportation risk class:	None
Packaging classification:	None
Environment hazard:	None
Special precautionary measures:	None

SECTION 15: REGULATORY INFORMATION

Regulations on the Safety Management of Hazardous Chemicals:	Catalogue of Dangerous Chemicals (2015) : Not included List of Hazardous Chemicals Prone to Explosives (2017) : Not included
List of hazardous chemicals under key supervision:	The list of the first and second batches of key-regulated hazardous chemicals: Not included

SECTION 16: OTHER INFORMATION

Other Data:	SDS as a hazard information communication tool should be used to assist in risk assessment. The person in charge of the enterprise may only use this information as a useful supplement to other information received, and shall make an independent and appropriate evaluation of the information content to ensure the appropriate use of the product and to protect the health and safety of its employees. Many factors can be used to determine whether a hazard needs to be reported in the workplace or other placement as a hazard. Risk can be determined by reference to exposure.
Disclaimer:	This safety specification is based on the best information we have about the safety and proper use of this product. However, we cannot guarantee its timeliness or any other express or implied information, and the Company shall not assume any liability for the use of such information. Users should use their own research to determine the best information for a particular use. Every user should read this instruction carefully before using the product. For more information to ensure a correct assessment, please contact us.