

# MSDS Material Safety Data Sheet

Zhengzhou Gaofu Fertilizer Co., Ltd

## Slow Release fertilizer 18-3-18

### Section 1. Product and company Identification

**Company details:** ZHENGZHOU GAOFU FERTILIZER CO., LTD

**Address:** 4KM ZHONGSAN ROAD SOUTH OF ZHONGMOU COUNTY,ZHENGZHOU,CHINA

**Telephone:** 0086-371 6375 5089

**FAX:** 0086-371-6375 1221

**E-mail:** [gaofufertilizer@163.com](mailto:gaofufertilizer@163.com)

**Website:** [www.golf120.com](http://www.golf120.com)

**Product names:** Slow Release fertilizer18-3-18

**Common name:** slow release fertilizer

**Product use:** Fertilizer

### Section 2. Hazardous Ingredient & Composition

Component	CAS#
Potassium Sulphate	7778-80-5
Urea	57-13-6;
Monoammonium Phosphate	7722-76-1
Methylene Urea	9011-05-6
Dolomite	69227-00-5;12001-27-3
Calcium sulfate(CaSO <sub>4</sub> )	7778-18-9
Manganese Sulfate Monohydrate(MnSO <sub>4</sub> ·H <sub>2</sub> O)	10034-96-5
Ferrous Sulphate Monohydrate (FeSO <sub>4</sub> ·H <sub>2</sub> O)	17375-41-6
Zinc sulfate, monohydrate (ZnSO <sub>4</sub> ·H <sub>2</sub> O)	7446-19-7
Copper sulfate pentahydrate (CuSO <sub>4</sub> ·5H <sub>2</sub> O)	7758-99-8

### Section 3. Physical/Chemical Characteristics

**Physical State:** Solid

**Boiling Point:** Not applicable

**Appearance:** Granular

**Color:** Brown or grey

**Odor:** None

**PH:** Not applicable

**Vapor Pressure:** Not applicable

**Solubility in Water:** slow to disperse

**Melting point:** Not applicable

**Evaporation rate:** Not applicable

**Density:** 1100kg/m<sup>3</sup>

**Specific gravity:** Not applicable

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#### Section 4. Hazard Identification

**Emergency overview:** when heated to decomposition this material may emit toxic gases of Nitrous oxide and ammonia. Irritable to eyes, nose, or mouth.

**Potential health effects:**

**Inhalation:** In case of inhalation of fumes from overheating, move to fresh air. If needed, seek medical attention.

**Eye contact:** In case of dust or granule in the eyes, flush thoroughly with running water. Seek medical attention if irritation persists.

**Skin Contact:** Wash thoroughly with soap and water.

**Ingestion:** Seek medical attention

**Medical Conditions:** Inhalation of dust may aggravate asthma in susceptible

**Aggravated by Exposure:** individuals. Prolonged skin contact may cause mild skin irritation.

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#### Section 5. First Aid

**Inhalation:** In case of inhalation of fumes from overheating, move to fresh air. If needed, seek medical attention.

**Eye contact:** In case of dust or granule in the eyes, flush thoroughly with running water.

**Skin Contact:** Wash thoroughly with soap and water.

**Ingestion:** Seek medical attention

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#### Section 6. Fire Fighting Measures

Non-flammable and non hazardous

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#### Section 7. Accidental Release

Sweep up spills. Use good housekeeping practices. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Avoid dusting or misting conditions during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water.

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#### Section 8. Handling and Storage

**Handling:** See label. Wash hands with soap and water after handling product

**Storage:** Store in a cool, dry area away from incompatible materials. Store away from feed and foodstuffs as well as household cleaning products.

**Containers:** Avoid container breakage

**Carcinogenicity:** None known

**Effects of Exposure:** Avoid inhalation or contact with skin, eyes, or clothing.

**Ecological Information:** Keep out of lakes, streams or ponds.

**Other Concerns:** Keep out of reach of children and pets.

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#### Section 9. Exposure Controls and Personal Protection

**Engineering Controls:** Ventilation and personal protection are recommended whenever dust levels are high or product does not remain intact. Running water should be available in case material gets in eyes.

**Respiratory Protection:** If airborne dust levels are high or product does not remain intact, use a combination of engineering controls, such as ventilation, and personal protection, such as an approved respirator, to reduce exposures to acceptable levels.

**Eyes and Face Protection:** None required for product use. High airborne dust levels may be irritating and use of chemical goggles is suggested.

**Skin:** None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.

**Other Protective Clothing or Equipment:** Normal work clothing

**Work/Hygienic Practices:** Open wounds should be kept clean and suitably protected.

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#### **Section 10. Stability and Reactivity**

**Chemical Stability:** Stable

**Hazardous polymerization:** No

**Conditions to Avoid:** No

**Hazardous Decomposition Products:** Nitrous oxides, ammonia and toxic metal oxides may be produced

**Incompatible Materials:** No

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#### **Section 11. Toxicological Information**

**Acute and Chronic Toxicity:** No data

**Carcinogenicity, Teratogenicity, Mutagenicity, Reproductive Effects:** None known

**General Comments:** Possible nausea, vomiting, diarrhea, skin or eye irritation. Inhalation of heavy concentrations of manganese-containing dusts over very prolonged periods of exposure (1-3 years) has been reported to cause damage to the central nervous system. Inhalation of dust may aggravate asthma. Eye contact with product may cause irritation, flush eyes with water as soon as possible.

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#### **Section 12. Ecological Information**

**Persistence and Degradability:** Fertilizer granules are soluble in water and biodegradable.

**Aquatic Toxicity:** Large amounts of product released to water systems will be harmful to aquatic plant and animal life.

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#### **Section 13. Disposal Consideration**

Disposal must be in accordance with Federal, State, and Local regulations. Uncontaminated product may be reused as fertilizer.

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#### **Section 14. Transport Information**

Department of Transportation (DOT): Not DOT regulated.

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#### **Section 15. Regulatory Information**

Contact local authorities for proper disposal of large quantities of unused product.

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#### **Section 16. Other Information**

NFPA Codes: Health: 2, Fire: 0, Reactivity: 0.

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