

MSDS Material Safety Date Sheet

Zhengzhou Gaofu Fertilizer Co., Ltd

Compound fertilizer 20-0-7



Section 1. Product and company Identification

Company details: ZHENGZHOU GAOFU FERTILIZER CO., LTD

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Product names: compound fertilizer 20-0-7

Common name: compound fertilizer

Product use: Fertilizer

Section 2. Hazardous Ingredient & Composition

Component	CAS#
Potassium Sulphate	7778-80-5
Urea	57-13-6
Methylene Urea	9011-05-6
Dolomite	69227-00-5;12001-27-3
Calcium sulfate(CaSO4)	7778-18-
Manganese Sulfate Monohydrate(MnSO4·H2O)	10034-96-5
Ferrous Sulphate Monohydrate (FeSO4·H2O)	77375-41-
Zinc sulfate, monohydrate (ZnSO4·H2O)	7446-19-7
Copper sulfate pentahydrate (CuSO4·5H2O)	7758-99-
Urea	57-13-6

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: 1000kg/m³

Specific gravity: Not applicable

Section 4. Hazard Identification

Emergency overview: when heated to decomposition this material may emit toxic gases of Nitrous oxide.
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.

Section 5. First Aid

Inhalation: In case of inhalation of fumes from overheating, move to fresh ar. 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

Section 6. Fire Fighting Measures

Non-flammable and non hazardous

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.

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

Carcinogenity: 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.

Section 9. Exposure Controls and Personal Protection

Engineering Controls: Ventilation and personal protection are recommended whenever dust levels are high or product dos 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.

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

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.

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.

Section 13. Disposal Consideration

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

Section 14. Transport Information

Department of Transportation (DOT): Not DOT regulated.

Section 15. Regulatory Information

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

Section 16. Other Information

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

END OF MSDS DOCUMENT