

**TECHNICAL DATA SHEET**
**MAGNESIUM NITRATE HEXAHYDRATE**

| Product Identification                                                                                                                                 |                                                                                |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------|
| Product Name:                                                                                                                                          | Magnesium Nitrate Hexahydrate                                                  |            |
| Brand Name(s)                                                                                                                                          | N/A                                                                            |            |
| Supplier                                                                                                                                               | Chengdu Golden Raven Technology Co., Ltd                                       |            |
| Origin                                                                                                                                                 | China                                                                          |            |
| Packing                                                                                                                                                | 25kg Bag / 1000kg Jumbo Bag/ 1200kg Jumbo Bag/ 1250kg Jumbo Bag                |            |
| Function                                                                                                                                               | PFC1(C)(I)(a)(ii): Compound solid inorganic micronutrient fertiliser           |            |
| Supplier Information                                                                                                                                   |                                                                                |            |
| Name                                                                                                                                                   | Chengdu Golden Raven Technology Co., Ltd                                       |            |
| Address                                                                                                                                                | D5-C-3717, NO.500, Tianfu Avenue, Chengdu, Sichuan, People's Republic of China |            |
| Phone                                                                                                                                                  | +86-135-48318380                                                               |            |
| Fax                                                                                                                                                    | +86-028-85134498                                                               |            |
| Chemical Identification and Composition                                                                                                                |                                                                                |            |
| Chemical Formula                                                                                                                                       | Mg(NO3)2·6H2O                                                                  |            |
| CAS Number                                                                                                                                             | 13446-18-9                                                                     |            |
| Item                                                                                                                                                   | Unit                                                                           | Standard   |
| Main content                                                                                                                                           | w/%                                                                            | ≥ 98.5     |
| MgO                                                                                                                                                    | w/%                                                                            | ≥ 15.3     |
| N sol. H2O                                                                                                                                             | w/%                                                                            | ≥ 10.0     |
| Mg sol. H2O                                                                                                                                            | w/%                                                                            | ≥ 9.0      |
| Water insoluble matter                                                                                                                                 | w/%                                                                            | ≤ 0.05     |
| Water soluble Magnesium Oxide                                                                                                                          | w/%                                                                            | ≥ 15.0     |
| pH                                                                                                                                                     | -                                                                              | 4.0 - 5.0  |
| Moisture                                                                                                                                               | w/%                                                                            | ≤ 0.001    |
| Physical Properties                                                                                                                                    |                                                                                |            |
| Appearance                                                                                                                                             | Flake/Crystalline powder/Granular                                              |            |
| Density                                                                                                                                                | 2.3 g/cm³                                                                      |            |
| Handling and Storage                                                                                                                                   |                                                                                |            |
| Store in a cool, dry, and well-ventilated area away from incompatible materials                                                                        |                                                                                |            |
| Use personal protective equipment as necessary to prevent exposure.                                                                                    |                                                                                |            |
| Safety Measures                                                                                                                                        |                                                                                |            |
| First Aid Measures:                                                                                                                                    |                                                                                |            |
| <b>Inhalation:</b> Move to fresh air. Seek medical attention if symptoms persist.                                                                      |                                                                                |            |
| <b>Skin Contact:</b> Wash with plenty of water. Seek medical attention if necessary                                                                    |                                                                                |            |
| Environmental Considerations                                                                                                                           |                                                                                |            |
| <b>Disposal:</b> Dispose of contents/container in accordance with local/regional/national/international regulations. Avoid release to the environment. |                                                                                |            |
| Regulatory Information                                                                                                                                 |                                                                                |            |
| Ensure compliance with local and international regulations regarding the handling, storage, and transportation of chemical materials                   |                                                                                |            |
| Additional Information                                                                                                                                 |                                                                                |            |
| Revision Date: FEB. 25, 2024                                                                                                                           |                                                                                | 成都阳鸟科技有限公司 |

CHENGDU GOLDEN RAVEN  
TECHNOLOGY CO., LTD