**Magruder 250714**

**19-19-19**

*Results due August 15, 2025*

Guaranteed Analysis

| | |
|---|---|
| Total Nitrogen (N) ..... | 19.0 % |
| 4.0 % Ammoniacal Nitrogen | |
| 15.0 % Urea Nitrogen | |
| Available Phosphate ($P_2O_5$) ..... | 19.0 % |
| Soluble Potassium ($K_2O$) ..... | 19.0 % |

Derived from: Urea, Ammonium Phosphate and Muriate of Potash

*Also analyze for:*
As (ppm), Cd (ppm), Cr (ppm), Co (ppm), Pb (ppm),
Hg (ppm), Mo (ppm), Ni (ppm), Se (ppm), Cu (%) and Zn (%)

*The units above are those required for reporting data from this Magruder sample. They may not be the units required on a commercial fertilizer label.*

*Note: This Magruder Check Sample material is not to be used in the manufacture of products nor applied to any crops or for other fertilizer uses. It is intended for analytical testing purposes only.*

**SDS for this product can be found at:**
**https://www.magrudercheckssample.org/SDS/250714GuarSDS.pdf**

# SDS for Magruder 250714

## SECTION 1: PRODUCT AND MANUFACTURER INFORMATION

Name: 19-19-19
Recommended Use: Turfgrass Fertilizer
Manufacturer: Morral Companies, LLC; P.O. Box 26, Morral OH 43337. Phone: 740-465-3251
For Transportation Emergencies call Chemtrec at 800-424-9300
For Other Emergencies call 911 and/or Appropriate Regulatory Agencies

## SECTION 2: HAZARD IDENTIFICATION

GHS Hazard Classification: None
This material does not present any unusual hazards under ordinary conditions. Use general precautions when handling, transporting, and storing this material.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT CAS # % BY WEIGHT
Urea 57-13-6 5-65
Ammonium Phosphate, monobasic 7722-76-1 4-70
Ammonium Phosphate, dibasic 7783-28-0 4-65
Potassium Chloride 7447-40-7 5-90
The material is a blend of 2 or more of the above ingredients (usually Urea, Potassium Chloride and a single Phosphate source), as designated in the derivation statement. The percentage is dependent on labeled grade, typically within the ranges specified. An inert filler and/or binder may also be included.

## SECTION 4: FIRST AID MEASURES

**SKIN CONTACT:** The material may be especially irritating to cuts, abrasions, and open wounds. If exposure occurs, rinse the affected area thoroughly with water. Treat other irritated areas by washing with soap and water. **EYE CONTACT:** Minor irritation is likely if exposure occurs. Rinse eyes thoroughly with water for 15 minutes. Remove contacts if necessary. Seek medical attention if irritation persists.
**RESPIRATION:** Remove to fresh air and seek medical attention. Inhalation of any liquid or mist may result in breathing difficulty. **INGESTION:** Swallowing large amounts may result in vomiting, diarrhea, cramps, and other gastrointestinal disturbances. Dilute stomach contents with water. Seek medical attention.

## SECTION 5: FIRE FIGHTING MEASURES

Flash point: does not apply
Extinguishing Materials: use as appropriate to fight surrounding fires. material itself is non-flammable. Special Hazards and Precautions: Ammonia, Oxides of Nitrogen and Phosphorous, and Chlorine gases may be evolved at elevated temperatures.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal. For major releases, response by trained personnel using preplanned procedures is recommended. Refer to Exposure Controls / Personal protection to determine proper PPE. Consult applicable regulatory agencies for spill reporting and disposal.

## SECTION 7: HANDLING AND STORAGE

Standard conditions are generally acceptable. Keep from humidity to avoid product caking/clumping.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin exposure should be kept minimal by wearing gloves, long pants, and long sleeved shirts. If handling conditions cause powder to disperse, wear goggles and a dust mask for eye and respiratory protection.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white and brown granules. May contain some dust or fine particles.
Odor: none
Solubility in water: The plant nutrient components are highly soluble.

## SECTION 10: STABILITY AND REACTIVITY

This material is stable under normal use and storage conditions. This product is not a reactivity or polymerization hazard. Dust-Air mixtures may ignite and explode.

## SECTION 11: TOXICOLOGICAL INFORMATION

This material is not known to be a toxicity hazard to animals or humans.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity for this product is low. It contains plant nutrients. It incorporates into biological processes.

## SECTION 13: DISPOSAL CONSIDERATIONS

This material is not defined as a hazardous waste by the U.S.E.P.A. Dispose of this material as recommended by federal, state, and local regulations.

## SECTION 14: TRANSPORT INFORMATION

This material is not regulated as a hazardous material by the U.S.D.O.T. Use normal transportation safety precautions.

## SECTION 15: REGULATORY INFORMATION

SARA Title III Hazard Class: not considered a hazard
CERCLA Reportable Quantity: not applicable.
TSCA: not regulated
RCRA Hazardous Waste Classification: not regulated

## SECTION 16: DISCLAIMER

This information is accurate to the best of our knowledge, and is furnished without warrantyof any kind. Users should determine the suitability of this material for its intended purpose. The user assumes all risks associated with the use ofthis product.