



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 02/15/19

CURRENT AS OF: 1/7/22

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT CODE: 10005249

PRODUCT NAME: GENESIS RX 5+7+5

PRODUCT USE: Fertilizer

MFR INFO: The Andersons, Inc.  
PO Box 119  
Maumee, Ohio USA 43537

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 893-5050

**SECTION 2: HAZARDS IDENTIFICATION**

HAZARD SYMBOLS / STATEMENTS:



**WARNING**

**CAUSES SERIOUS EYE IRRITATION.  
CAUSES SKIN AND RESPIRATORY IRRITATION.**

HAZARD CLASSIFICATIONS:

*EYE IRRITATION*

*SKIN IRRITATION*

*SPECIFIC TARGET ORGAN TOXICITY*

*- SINGLE EXPOSURE*

CATEGORY

2A

2

3

INTERPRETATION

Causes serious eye irritation

Causes skin irritation

Causes irritation to respiratory tract

PRECAUTIONARY STATEMENTS:

- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE DUSTS*
- *IF INHALED: MOVE TO FRESH AIR AND KEEP COMFORTABLE. SEEK MEDICAL ATTENTION IF UNWELL*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *CALL POISON CONTROL OR SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF SWALLOWED: RINSE MOUTH AND SEEK MEDICAL ATTENTION*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES*
- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

| <b><u>CHEMICAL IDENTITY</u></b> | <b><u>SYNONYM</u></b> | <b><u>CAS NUMBER</u></b> | <b><u>CONCENTRATION (%)</u></b> |
|---------------------------------|-----------------------|--------------------------|---------------------------------|
| Humic Acid                      |                       | 1415-93-6                | 25-35                           |
| Gypsum                          |                       | 7631-86-9                | 10-20                           |
| Potassium Sulfate               |                       | 7778-80-5                | 5-15                            |
| Ammonium Dihydrogen Phosphate   | MAP                   | 7722-76-1                | 1-10                            |
| Ammonium Sulfate                |                       | 7783-20-2                | 1-10                            |
| Urea                            |                       | 57-13-6                  | 1-10                            |
| Methylene Urea                  |                       | 598-50-5                 | 1-10                            |
| Magnesium Sulfate               |                       | 7487-88-9                | 1-10                            |

**SECTION 4: FIRST AID MEASURES**

|                    |                                                                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IF INHALED:        | Move to fresh air and keep comfortable, call POISON CENTER or doctor if unwell.                                                                                    |
| IF ON SKIN:        | Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.                                  |
| IF IN THE EYES:    | Immediately flush with water for 15-20 minutes, remove contact lenses if present and easy to do – continue rinsing. Seek medical attention if irritation persists. |
| IF SWALLOWED:      | Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Seek medical attention if unwell.                                                   |
| SPECIAL TREATMENT: | None known                                                                                                                                                         |
| HEALTH HAZARDS:    | See Section 11                                                                                                                                                     |

**SECTION 5: FIREFIGHTING MEASURES**

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| EXTINGUISHING MEDIA:             | Use media suitable for surrounding fire. No special media required.                            |
| SPECIFIC FIRE HAZARDS:           | When heated to decomposition, this product will emit toxic oxides, sulfides and ammonia.       |
| SPECIAL FIREFIGHTING PROCEDURES: | Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA). |

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

|                             |                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| SPILL / RELEASE PROCEDURES: | Contain material and place in containers for use as intended, or discard according to Federal, State and Local regulations.             |
| ENVIRONMENTAL PRECAUTIONS:  | Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities. |
| PROTECTIVE EQUIPMENT:       | Wear PPE according to Section 8                                                                                                         |

**SECTION 7: HANDLING AND STORAGE**

Wash hands after handling material. Do not eat, drink or smoke while handling the material. Do not get in eyes, on skin or clothing. Not intended for human consumption. Store locked up in a cool, dry, well ventilated area away from incompatible materials.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE LIMITS:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

| <b><u>HAZARDOUS COMPONENT</u></b> | <b><u>OSHA PEL</u></b>                                           | <b><u>ACGIH TLV</u></b>                                              | <b><u>OTHER</u></b> |
|-----------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------|---------------------|
| Gypsum                            | 15 mg/m <sup>3</sup> (total)<br>5 mg/m <sup>3</sup> (respirable) | 10 mg/m <sup>3</sup> (inhalable)<br>3 mg/m <sup>3</sup> (respirable) |                     |

**PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:**

|                         |                                                                   |
|-------------------------|-------------------------------------------------------------------|
| RESPIRATORY PROTECTION: | NIOSH approved respirator, if required                            |
| EYE PROTECTION:         | Safety glasses with sideshields, goggles, or faceshield           |
| SKIN PROTECTION:        | Appropriate for the task. Impervious and compatible with material |
| VENTILATION:            | Use with adequate ventilation                                     |

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|                        |                                                  |
|------------------------|--------------------------------------------------|
| APPEARANCE AND ODOR:   | Multi-colored granule with a slightly musty odor |
| pH:                    | Not applicable                                   |
| MELTING POINT:         | Not applicable                                   |
| BOILING POINT:         | Not available                                    |
| FLASH POINT:           | Not flammable                                    |
| EVAPORATION RATE:      | Not available                                    |
| FLAMMABLE LIMITS:      | Not applicable                                   |
| VAPOR PRESSURE:        | Not available                                    |
| VAPOR DENSITY:         | Not available                                    |
| SPECIFIC GRAVITY:      | ~0.789                                           |
| SOLUBILITY (IN WATER): | Soluble                                          |
| PARTITION COEFFICIENT: | Not available                                    |
| AUTOIGNITION TEMP:     | Not available                                    |
| DECOMPOSITION TEMP:    | Not available                                    |
| ODOR THRESHOLD:        | Not available                                    |
| VISCOSITY:             | Not available                                    |

**SECTION 10: STABILITY AND REACTIVITY**

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| STABILITY:                        | Product is stable.                                         |
| CONDITIONS TO AVOID:              | Heat                                                       |
| INCOMPATIBILITY:                  | Strong acids, bases, diazomethane, aluminum and phosphorus |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Toxic oxides, sulfides and ammonia                         |

**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS: Causes serious eye irritation. Causes skin and respiratory irritation.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens. However, the product may contain trace amounts of crystalline silica which is listed by IARC as a potential human carcinogen.

**INGREDIENT TOXICITY RANGES:**

ORAL: > 3,000 mg/kg (ammonium sulfate) – 14,300 mg/kg (urea)

DERMAL: > 2,000 mg/kg (ammonium sulfate)

**SECTION 12: ECOLOGICAL INFORMATION**

Long term degradation products may arise. Products of degradation are not expected to be hazardous. Excessive nutrients in waterways may cause algal blooms that may be detrimental to aquatic life.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Use product for intended purpose where possible. Dispose of in accordance with all national, regional / state, and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated as a transportation hazard.

**SECTION 15: REGULATORY INFORMATION**

SARA 311/312: Acute

**SECTION 16: OTHER INFORMATION**

|               |              |   |
|---------------|--------------|---|
| NFPA RATINGS: | HEALTH       | 1 |
|               | FLAMMABILITY | 0 |
|               | INSTABILITY  | 0 |

|               |              |   |
|---------------|--------------|---|
| HMIS RATINGS: | HEALTH       | 1 |
|               | FLAMMABILITY | 0 |
|               | INSTABILITY  | 0 |

PREPARED BY: DBA EHS Consulting

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