



THE ANDERSONS NUTRI DG® DISPERSING GRANULE TECHNOLOGY 11-2-9

SAFETY DATA SHEET

CURRENT AS OF: 6/2/25

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10010323, 10010324, 10010326, 10010327, 10010328, 10010673

PRODUCT NAME: THE ANDERSONS NUTRI DG® DISPERSING GRANULE TECHNOLOGY 11-2-9

PRODUCT USE: Fertilizer

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

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 893-5050

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOL:



SIGNAL WORD: *WARNING*

HAZARD STATEMENT: *HARMFUL IF SWALLOWED. CAUSES SERIOUS EYE, SKIN, AND RESPIRATORY IRRITATION. CAUSES DAMAGE TO ORGANS THROUGH REPEATED EXPOSURE.*

HAZARD CLASSIFICATIONS

EYE IRRITATION

SKIN IRRITATION

SPECIFIC TARGET ORGAN TOXICITY

- *SINGLE EXPOSURE*

- *REPEATED EXPOSURE*

CATEGORY

2A

2

3

2

INTERPRETATION

Causes serious eye irritation

Causes skin irritation

May cause irritation to respiratory tract

May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENTS:

- *IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE VAPORS/MISTS*
- *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*

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- *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

| <u>CHEMICAL IDENTITY</u> | <u>SYNONYM</u> | <u>CAS NUMBER</u> | <u>CONCENTRATION (%)</u> |
|-------------------------------|--------------------|-------------------|--------------------------|
| Ureas | Mixed ureas | 57-13-6 | 10-20 |
| Potassium Sulfate | | 7778-80-5 | 10-20 |
| Ammonium Sulfate | | 7783-20-2 | 10-20 |
| Ammonium Dihydrogen Phosphate | MAP | 7722-76-1 | 00-10 |
| Humic Acid | | 1415-93-6 | 10-20 |
| Iron Oxide | | 11083-28-6 | 10-20 |
| Ammonium Lignin Sulfonate | LS-50 | 8061-53-8 | 00-10 |
| Manganous Sulfate | Manganese Sulphate | 7785-87-7 | 00-10 |

SECTION 4: FIRST AID MEASURES

| | |
|--------------------|--|
| IF INHALED: | Move to fresh air and keep comfortable, seek medical attention 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. Call POISON CONTROL and seek medical attention. |
| SPECIAL TREATMENT: | None known |
| HEALTH HAZARDS: | See Section 11 |

SECTION 5: FIREFIGHTING MEASURES

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| 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 breathe vapors/mists. Not intended for human consumption. Do not store with food or feedstuffs. Store 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.

| <u>HAZARDOUS COMPONENT</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|----------------------------|--------------------|----------------------|
| Manganese Compounds | 5mg/m ³ | 0.2mg/m ³ |

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: | Brown granules with sweet 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: | Not available |
| 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, and oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides, sulfides, and ammonia.

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Harmful if swallowed. Causes skin, serious eye, and respiratory irritation. May cause damage to the lungs and liver through repeated exposure.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: > 305 mg/kg (manganese 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.

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

US FEDERAL REGULATIONS

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304: This material does not contain any components with a section 304 EHS RQ.

SARA 311 / 312: Acute Health Hazard

SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313:

| CHEMICAL NAME | CAS No. | % BY WEIGHT |
|---------------------|---------|-------------|
| Manganese Compounds | | 9.65 |

| CERCLA (RQ): | CHEMICAL NAME | CAS No. | REPORTABLE QTY (lbs) |
|--------------|---------------------|---------|----------------------|
| | Manganese Compounds | | No RQ |

| TSCA | | | |
|-------------------------------|------------|---------------------------|---------------------------------------|
| Chemical Name | CAS No. | US TSCA Inventory Listing | US TSCA Inactive / Active Designation |
| Humic Acid | 1415-93-6 | Present | Active |
| Manganese Sulfate | 7785-87-7 | Present | Active |
| Urea | 57-13-6 | Present | Active |
| Potassium Sulfate | 7778-80-5 | Present | Active |
| Ammonium Sulfate | 7783-20-2 | Present | Active |
| Ammonium Dihydrogen Phosphate | 7722-76-1 | Present | Active |
| Iron Oxide | 11083-28-6 | Present | Active |
| Ammonium Lignin Sulfonate | 8061-53-8 | Present | Active |

US STATE REGULATIONS

| | | | |
|----------------|--|--------------------------|--|
| RIGHT-TO-KNOW: | CHEMICAL NAME Manganese Compounds Manganous Sulfate 1 | CAS No. 0034-96-5 | States CA, MA, MN, NJ, PA CA, MN, NJ, PA |
|----------------|--|--------------------------|--|

CALIFORNIA PROP 65: No requirements

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| SECTION 16: OTHER INFORMATION |
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NFPA RATINGS: HEALTH 2
 FLAMMABILITY 0
 INSTABILITY 0

HMIS RATINGS: HEALTH 2
 FLAMMABILITY 0
 INSTABILITY 0

PREPARATION & VERSION INFORMATION

Version 001 – SDS originally created 02/19/2025 Prepared By DBA EHS Consulting
 Version 002 – SDS new material added to SDS 10010673 06/02/2025

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