THE ANDERSONS
SAFETY DATA SHEET

DATE PREPARED: 09/02/11  CURRENT AS OF: 4/24/15

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: ASPHUDGGRN4
PRODUCT NAME: Humic DG
PRODUCT USE: Fertilizer
MFR INFO: The Andersons Lawn Products
PO Box 119
Maumee, Ohio, USA 43537
FOR EMERGENCY: (800) 757-8951
FOR INFORMATION: (419) 891-2957

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:

⚠️ WARNING ⚠️
MAY BE HARMFUL IF SWALLOWED
MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION

HAZARD CLASSIFICATIONS:

<table>
<thead>
<tr>
<th>HAZARD CLASSIFICATION</th>
<th>CATEGORY</th>
<th>INTERPRETATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACUTE TOXICITY</td>
<td>5</td>
<td>Low</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>3</td>
<td>Mild</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>2B</td>
<td>Promptly Reversible</td>
</tr>
<tr>
<td>TARGET ORGAN SYSTEMIC TOXICITY</td>
<td>3</td>
<td>Transient Respiratory Irritation Possible</td>
</tr>
</tbody>
</table>

PRECAUTIONARY STATEMENTS:

- CALL A POISON CENTER / PHYSICIAN IF UNWELL
- IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE
- IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES
- IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE
- WASH HANDS AFTER HANDLING
- USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS
- AVOID BREATHING DUST
- IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING
- STORE CONTAINER TIGHTLY CLOSED
- DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS
SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL IDENTITY</th>
<th>SYNONYM</th>
<th>CAS NUMBER</th>
<th>CONCENTRATION (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humate</td>
<td>Mixture</td>
<td></td>
<td>85.9</td>
</tr>
<tr>
<td>Calcium lignosulfonate</td>
<td></td>
<td>8061-52-7</td>
<td>14.0</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

IF INHALED: Move victim to fresh air. Seek medical attention if irritation persists.

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 at least 20 minutes. Seek medical attention if irritation persists.

IF SWALLOWED: If victim is alert and not convulsing, give one glass of water to dilute material. Seek immediate medical attention.

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: Decomposition products may be toxic.

SPECIAL FIREFIGHTING PROCEDURES: Wear full protective clothing and positive-pressure self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES: Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.

ENVIRONMENTAL PRECAUTIONS: Prevent spilled material from entering storm drains or water bodies.

PROTECTIVE EQUIPMENT: See Section 8

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area. Do not store above 120° F.
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENT</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humate</td>
<td>15 mg/m³ (total)</td>
<td>10 mg/m³ (inhalable)</td>
</tr>
<tr>
<td></td>
<td>5 mg/m³ (respirable)</td>
<td>3 mg/m³ (respirable)</td>
</tr>
</tbody>
</table>

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION: NIOSH approved particulate respirator, if required

EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield recommended

SKIN PROTECTION: Long sleeves, cotton gloves recommended

VENTILATION: Local exhaust ventilation recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Dark red / brown granules, with slight odor

pH: Not available

MELTING POINT: Not available

BOILING POINT: Not applicable

FLASH POINT: Not flammable

EVAPORATION RATE: Not applicable

FLAMMABLE LIMITS: Not applicable

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY: Not applicable

SOLUBILITY (IN WATER): Partially soluble

PARTITION COEFFICIENT: Not applicable

AUTOIGNITION TEMP: Not applicable

DECOMPOSITION TEMP: Not applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY: None known

HAZARDOUS DECOMPOSITION PRODUCTS: None known

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May be irritating to the nose, throat, and respiratory tract. Skin irritation may result. May also be irritating to the eyes.

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

- **ORAL:** > 6,000 mg/kg (humate)
- **DERMAL:** Not available
- **INHALATION:** Not available

**SECTION 12: ECOLOGICAL INFORMATION**

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated as a transportation hazard.

**SECTION 15: REGULATORY INFORMATION**

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

**SECTION 16: OTHER INFORMATION**

- **NFPA RATINGS:**
  - HEALTH: 1
  - FLAMMABILITY: 0
  - INSTABILITY: 0
- **HMIS RATINGS:**
  - HEALTH: 1
  - FLAMMABILITY: 0
  - PHYSICAL HAZARD: 0

MSDS ID NO: 481

PREPARED BY: SS

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