SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: APPCHUDG4
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 CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION

HAZARD CLASSIFICATIONS:

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>INTERPRETATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>EYE IRRITATION</td>
<td>Eye Irritation Possible</td>
</tr>
<tr>
<td>TARGET ORGAN SYSTEMIC TOXICITY</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>8061-52-7</td>
<td>85.9</td>
</tr>
<tr>
<td>Calcium lignosulfonate</td>
<td></td>
<td></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:

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.

<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

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE AND ODOR:</td>
<td>Dark red / brown granules, with slight odor</td>
</tr>
<tr>
<td>pH:</td>
<td>Not available</td>
</tr>
<tr>
<td>MELTING POINT:</td>
<td>Not available</td>
</tr>
<tr>
<td>BOILING POINT:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>FLASH POINT:</td>
<td>Not flammable</td>
</tr>
<tr>
<td>EVAPORATION RATE:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>FLAMMABLE LIMITS:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>VAPOR PRESSURE:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>VAPOR DENSITY:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>SOLUBILITY (IN WATER):</td>
<td>Partially soluble</td>
</tr>
<tr>
<td>PARTITION COEFFICIENT:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>AUTOIGNITION TEMP:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>DECOMPOSITION TEMP:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>ODOR THRESHOLD:</td>
<td>Not available</td>
</tr>
<tr>
<td>VISCOSITY:</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable.

CONDITIONS TO AVOID: None known

INCOMPATIBILITY: None known

HAZARDOUS DECOMPOSITION PRODUCTS: COx

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:

<table>
<thead>
<tr>
<th>PATHWAY</th>
<th>RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORAL</td>
<td>&gt; 6,000 mg/kg (humate)</td>
</tr>
<tr>
<td>DERMAL</td>
<td>Not available</td>
</tr>
<tr>
<td>INHALATION</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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

SDS ID NO: 481
DATE PREPARED: 9/2/11
CURRENT AS OF: 3/7/16
PREPARED BY: SS

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