SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: ASP44HCU5
PRODUCT NAME: HCU 44-0-0
PRODUCT USE: Fertilizer

MFR INFO: The Andersons Lawn Products
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 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>EYE IRRITATION</td>
<td>2B</td>
<td>Eye Irritation Possible</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>Urea</td>
<td>Carbamide</td>
<td>57-13-6</td>
<td>100%</td>
</tr>
</tbody>
</table>
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.

IF IN THE EYES: Immediately flush with water for 15-20 minutes and seek medical attention.

IF SWALLOWED: Rinse mouth. DO NOT INDUCE VOMITTING 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

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

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.

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. Avoid breathing dusts. Not intended for human consumption. Store in a cool, dry, well ventilated area away from incompatible materials and sources of heat.

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>Urea</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 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: Gray to black granular mix
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: ~0.737
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, incompatible materials
INCOMPATIBILITY: Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: Not considered hazardous.
CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: >14,300 mg/kg (urea)

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

SARA SECTION 311 / 312 HAZARD CATEGORY: ACUTE HAZARD

SECTION 16: OTHER INFORMATION

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

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

SDS NO: 5248

PREPARED BY: DBA EHS Consulting

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