

# Safety Data Sheet

## Section 1: Identification

Product Name: **20-0-5 50#**

Other means of identification: None

Recommended Use: Lawn Fertilizer

Manufacturer: BCA Products  
24399 225th Avenue  
P.O. Box 429  
Sleepy Eye, MN 56085  
www.riverregioncoop.com  
fkral@riverregioncoop.com

Telephone: 1-888-454-4744

Emergency telephone number: CHEMTREC 1-800-424-9300

## Section 2: Hazard Identification

Classification according to paragraph (d) of §1910.1200: Mixture

Label Elements:



Signal Word:  
**WARNING**

Hazard Statements: Causes irritation to skin, eyes and respiratory tract.

Precautionary Statements: Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed.

Other hazards: None identified at this time.

Other Information:

NFPA Label  
Health - 1  
Flammability - 0  
Reactivity - 0



## Section 3: Composition/information on ingredients

| Chemical Name      | Common Name       | CAS #     | Impurities and stabilizing additives | %    |
|--------------------|-------------------|-----------|--------------------------------------|------|
| Urea               | None              | 57-13-6   | None                                 | 44.0 |
| Potassium Chloride | Muriate of Potash | 7447-40-7 | None                                 | 9.0  |
| Limestone          | None              | 1317-65-3 | None                                 | 47.0 |

## Section 4: First-Aid Measures

Description of First Aid Measures

Inhalation:

Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Skin:

Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists.

Eye:

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists.

Ingestion:

Drink plenty of water. Seek medical advice. If ingestion of a large amount does occur, call a poison control center immediately.

Most important symptoms and affects, both acute and delayed

Inhalation:

Symptoms may include coughing or shortness of breath.

Skin:

Symptoms include redness, itching and pain.

Eye:

Symptoms include redness and pain.

Ingestion:

Symptoms include nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

Get medical attention immediately if symptoms are non-responsive to suggested first aid measures.

### Section 5: Fire-fighting Measures

Flammable Properties

This product is not flammable.

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Foam and water.

Unsuitable Extinguishing Media

None identified at this time.

Specific Hazards arising from the chemical

Reactions with incompatibilities may pose an explosion hazard. Fires may pose irritating, corrosive and/or toxic gases. May release small quantities of chlorine gas and ammonia when heated.

Special Protective Equipment and Precautions for Fire-fighters

Fire fighters should wear full protective gear. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear.

### Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Keep unnecessary personnel away. Keep upwind. Ventilate the area. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Protective Equipment

Gloves recommended. Respirator optional.

Emergency Procedures

If spill could enter any waterway, contact the local authorities. Contact the NATIONAL RESPONSE CENTER at 1-800-424-8802. In case of accident or road spill notify: CHEMTREC at 1-800-424-9300.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

#### Methods and Material for Containment

If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements, or confined areas.

#### Methods and Material for Cleanup Measures

Avoid dust formation.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.

Large Spills: Collect dust or particulates using a vacuum cleaner with a HEPA filter. Reduce airbourne dust and prevent scattering by moistening with water.

Never return spills in original containers for re-use. Clean contaminated surface thoroughly. Clean up in accordance with all applicable regulations.

### Section 7: Handling and Storage

#### Precautions for safe handling:

Keep formation of airbourne dusts to a minimum. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. See section 8 of the SDS for Personal Protective Equipment.

#### Conditions for safe storage:

Keep container tightly closed in a dry, cool, and well-ventilated area.

#### Incompatible Materials:

Acids, strong reducing agents. Strong oxidizing agents. Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride. It is incompatible with sodium nitrite, gallium perchlorate, phosphorus pentachloride, nitrosyl perchlorate, titanium tetrachloride and chromyl chloride. Mildly corrosive to metals in the presence of moisture.

### Section 8: Exposure controls/personal protection

#### Control Parameters

| Chemical Name      | CAS #     | OSHA PEL            | ACGIH TLV           |
|--------------------|-----------|---------------------|---------------------|
| Urea               | 57-13-6   | 15mg/m <sup>3</sup> | 10mg/m <sup>3</sup> |
| Potassium Chloride | 7447-40-7 | 15mg/m <sup>3</sup> | 10mg/m <sup>3</sup> |
| Limestone          | 1317-65-3 | 15mg/m <sup>3</sup> | 5mg/m <sup>3</sup>  |

#### Engineering Measures/Controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airbourne levels below recommended exposure limits. If exposure limits have not been established, maintain airbourne levels to an acceptable level.

#### Personal Protective Equipment

Eye/Face

Use tight fitting goggles if dust is generated.

Hands

Gloves

Skin/Body

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory protection

Wear respirator if there is dust formation.

General Hygiene  
Recommendations

Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Section 9: Physical and chemical properties

|                                         |                     |
|-----------------------------------------|---------------------|
| Appearance/Description                  |                     |
| Physical State                          | Solid crystal       |
| Color                                   | Mixed color         |
| Taste                                   | Not Available       |
| Odor                                    | Slight Ammonia Odor |
| Odor Threshold                          | Not Available       |
| pH                                      | Not Available       |
| Melting Point/Freezing Point            | 132.7°C             |
| Initial Boiling Point and Boiling Range | Not Available       |
| Flash Point                             | Not Available       |
| Evaporation Rate                        | Not available       |
| Flammability                            | Not Available       |
| Upper/lower flammability limits         | Not Available       |
| Vapor Pressure                          | Not available       |
| Vapor Density                           | Not available       |
| Relative Density                        | Not Available       |
| Solubilities                            | Water               |
| Partition coefficient: n-octano/water   | Not Available       |
| Auto-ignition temperature               | Not Available       |
| Decomposition temperature               | Not Available       |
| Viscosity                               | Not Available       |

### Section 10: Stability and reactivity

|                                    |                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | None identified at this time.                                                                                                                                                                                                                                                                                                                                                      |
| Chemical Stability                 | Stable under normal temperature conditions.                                                                                                                                                                                                                                                                                                                                        |
| Possibility of hazardous reactions | Hazardous polymerization does not occur.                                                                                                                                                                                                                                                                                                                                           |
| Conditions to avoid                | Extreme temperatures. Incompatibilities. Fire and dust explosions.                                                                                                                                                                                                                                                                                                                 |
| Incompatible materials             | Acids, strong reducing agents. Strong oxidizing agents. Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride. It is incompatible with sodium nitrite, gallium perchlorate, phosphorus pentachloride, nitrosyl perchlorate, titanium tetrachloride and chromyl chloride. Mildly corrosive to metals in the presence of moisture. |
| Hazardous decomposition products   | Ammonia and Hydrogen Sulfide may be release in reactions with strong bases or from thermal decomposition. Combustion may produce carbon oxides, nitrogen oxides, cyanuric acid, cyanic acid, biuret, carbon dioxide, and sulphur dioxide.                                                                                                                                          |

### Section 11: Toxicological Information

|                           |                                       |
|---------------------------|---------------------------------------|
| Routes of exposure:       | Inhalation, Ingestion, Skin, and Eyes |
| Acute (Immediate) Effects | None identified at this time.         |
| Chronic (Delayed) Effects | None identified at this time.         |

|                                          |                               |
|------------------------------------------|-------------------------------|
| Chronic effects from short term exposure | None identified at this time. |
|------------------------------------------|-------------------------------|

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Chronic effects from long term exposure | None identified at this time. |
|-----------------------------------------|-------------------------------|

|                               |               |
|-------------------------------|---------------|
| Numerical measure of toxicity | Not available |
|-------------------------------|---------------|

|                                                                                                                                                                                                                                                                           |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA | No |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|

### Section 12: Ecological Information

|             |                               |
|-------------|-------------------------------|
| Ecotoxicity | None identified at this time. |
|-------------|-------------------------------|

|                               |                                                                             |
|-------------------------------|-----------------------------------------------------------------------------|
| Persistence and degradability | This material is readily biodegradable and is not likely to bioconcentrate. |
|-------------------------------|-----------------------------------------------------------------------------|

|                           |                                   |
|---------------------------|-----------------------------------|
| Bioaccumulative potential | Bioaccumulation is a possibility. |
|---------------------------|-----------------------------------|

|                  |                                                                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Mobility in soil | This material is readily absorbed by plants from the soil. Mobility is possible when mixed with water. This material may leach into groundwater. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

|                       |                               |
|-----------------------|-------------------------------|
| Other adverse effects | None identified at this time. |
|-----------------------|-------------------------------|

### Section 13: Disposal Considerations

#### Waste treatment methods

|                  |                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------|
| Product waste:   | Waste must be disposed of in accordance with federal, state, and local environmental control regulations. |
| Packaging waste: | Waste must be disposed of in accordance with federal, state, and local environmental control regulations. |

### Section 14: Transportation Information

|                         |                                  |
|-------------------------|----------------------------------|
| DOT                     | Not regulated as dangerous goods |
| UN number               | Not regulated as dangerous goods |
| UN Proper Shipping Name | Not regulated as dangerous goods |
| Transport Hazard Class  | Not regulated as dangerous goods |
| Packing Group           | Not regulated as dangerous goods |
| Environmental Hazards   | Not regulated as dangerous goods |
| TDG                     | Not regulated as dangerous goods |
| IMO/IMDG                | Not regulated as dangerous goods |
| IATA/ICAO               | Not regulated as dangerous goods |

Transport in bulk (according to Annex II of MARPOL 73/78 and the LBC Code)

Not regulated as dangerous goods.

Special precautions for user

Not regulated as dangerous goods.

### Section 15: Regulatory Information

Safety, health and environmental regulations specific for the product in question

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

Section 311 hazardous chemical

Yes

State Regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

### Section 16: Other Information

Last Revision Date

6/25/2013

Preparation Date

6/25/2013

Disclaimer/Statement of Liability

The information contained herein is accurate to the best of our knowledge. My Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.