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.rivereregioncoop.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:

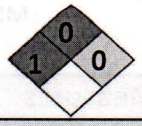
Signal Word:
WARNING

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 Pre-cautions 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 equivelant) 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 vaccuum 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 Eqiupment.
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^3	10mg/m^3
Potassium Chloride	7447-40-7	15mg/m^3	10mg/m^3
Limestone	1317-65-3	15mg/m^3	5mg/m^3

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 flammibility 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 of 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 esition), or by OSHA	No

Section 12: Ecological Information

Ecotoxicity	None identified at this time.
Persistenace 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 Substnaces - 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.