

Safety Data Sheet

Section 1: Identification

Product Name: **27-0-8 Crabgrass**
Other means of identification: None

Recommended Use: Lawn Fertilizer

Manufacturer: BCA Products
24399 225th Avenue
P.O. Box 429
Sleepy Eye, MN 56085
www.bca-products.com
kristi.saenz@centralregioncoop.com

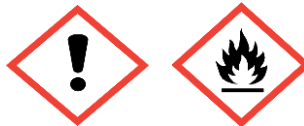
Telephone: 1-507-794-5411

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. Combustible solid.

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
Health - 1
Flammability - 1
Reactivity - 0



Section 3: Composition/information on ingredients

Chemical Name	Common Name	CAS #	Impurities and stabilizing additives	%
Urea	None	57-13-6	None	48.7
Potassium Chloride	Muriate of Potash	7447-40-7	None	13.4
Stabilized Urea	None	57-13-6 & 461-58-5	None	10.4
Limestone	None	1317-65-3	None	10.9
Sulfur	None	7704-34-9	None	3.5
Corn Cob	None	Not Available	None	12.4
Dithiopyr, 3, 5-pyridinedicarbothiotic Acid, 2-(difluoromethyl)-4-(2-methylPropyl)-6-(trifluoromethyl)-S,S-dimethylester	Dynamo	97886-45-8	None	0.7

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	When subjected to extremely high temperatures, may release small quantities of chlorine gas. Fires may produce irritating, corrosive and/or toxic gases. Reactions with incompatibilities and oxidizing agents may cause an explosion hazard.
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.
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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:	Contact with strong acids may produce hydrogen chlorine gas. Contact with hot nitric acid may produce toxic nitrosyl chloride. Acids, strong oxidizing agents, strong reducing 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, 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
Stabilized Urea	57-13-6 & 461-58-5	15mg/m ³	10mg/m ³
Limestone	1317-65-3	15mg/m ³	5mg/m ³
Sulfur	7704-34-9	Not available	Not Available
Corn Cob	Not Available	15mg/m ³	10mg/m ³

Dithiopyr, 3, 5-pyridinedicarbothiotic Acid, 2-(difluoromethyl)-4-(2-methylPropyl)-6-(trifluoromethyl)-S,S-dimethylester	97886-45-8	Not available	Not Available
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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

Provide eyewash station and safety shower. Always observe good

Recommendations

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	Excessive heat. Incompatibilites. Fire and dust explosions.
Incompatible materials	Contact with strong acids may produce hydrogen chlorine gas. Contact with hot nitric acid may produce toxic nitrosyl chloride. Acids, strong oxidizing agents, strong reducing 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, titanium tetrachloride and chromyl chloride. Mildly corrosive to metals in the presence of moisture.
Hazardous decomposition products	May produce gases such as Hydrogen flouride and oxides of carbon and nitrogen, ammonia, hydrogen sulfide, sulfur oxides. Cyanuric acid, cyanic acid, biuret, carbon dioxide.

Section 11: Toxicological Information
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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.

Other information 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 5/7/2018

Preparation Date

5/7/2018

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.