

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name

- Howard Johnson's Crabgrass Control Plus with 0.58% Prodiamine, Howard Johnson's Crabgrass Control Plus with 0.20% Prodiamine, Howard Johnson's Crabgrass Control Plus with 0.37% Prodiamine, HJE All Season Crabgrass Control Plus with Prodiamine, Howard Johnson's Crabgrass Control Plus with 0.29% Prodiamine, Howard Johnson's Premium Fertilizer Crabgrass Control Phosphate Free Fertilizer, Terre Crabgrass Control Plus with 0.29% Prodiamine, Turfgro Crabgrass Control Plus w .37% Prodiamine 0-0-7, Turfgro Crabgrass Control Plus w .37% Prodiamine 14-0-2

Synonyms

- EPA Reg. No.: 32802-65; EPA Reg. No.: 32802-66; EPA Reg. No.: 32802-70; EPA Reg. No.: 53883-171-32802; FertSSCa; Lawn fertilizer with herbicide

Product Code

- FertSSCa

Product Description

- Variable colored granules.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

- Herbicide.

Restrictions on use

- Avoid contact with eyes, skin or clothing. Keep out of the reach of children and domestic animals. Avoid breathing dust.

Details of the supplier of the safety data sheet

Manufacturer

- Howard Johnson's Enterprises, Inc.
9675 S. 60th Street
Franklin, WI 53132
United States
www.hjefertilizer.com

Telephone (General) • (414) 394-3590 - 8:30am - 5:00pm CST

Emergency telephone number

- Manufacturer**
- 1-800-424-9300 - CHEMTREC - Transportation and Non-Transportation related emergencies
- Manufacturer**
- 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

- OSHA HCS 2012**
- Carcinogenicity 1A
Skin Sensitization 1

Label elements

OSHA HCS 2012

DANGER



- Hazard statements**
- May cause cancer.
May cause an allergic skin reaction

Precautionary statements

- Prevention**
- Avoid breathing dust, fume, gas, mist, vapors and/or spray.
Contaminated work clothing should not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
- Response**
- IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
IF exposed or concerned: Get medical advice/attention.
- Storage/Disposal**
- Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

- OSHA HCS 2012**
- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
Prodiamine	CAS:29091-21-2	0.2% TO 0.58%

Limestone	CAS:1317-65-3	> 10%
Silica, crystalline - quartz	CAS:14808-60-7	> 0.1%
Other ingredients	NDA	> 89%

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin

- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

- IF SWALLOWED: Rinse mouth.

Most important symptoms and effects, both acute and delayed

- Repeated and prolonged exposure may cause cancer; may cause an allergic skin reaction in those individuals with sensitivity to prodiamine. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media

- LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media

- High pressure spray.

Firefighting Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.
Do not walk through spilled material.
Keep unauthorized personnel away.
Ventilate closed spaces before entering.
Do not allow fire fighting water to escape into waterways or sewers.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- None known.

Hazardous Combustion Products

- Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not walk through spilled material. Avoid dust formation and breathing dust.
- Emergency Procedures**
- Keep unauthorized personnel away. Stay upwind.

Environmental precautions

- Do not allow runoff into water, storm drains or drainage ditches.

Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Sweep up material and place in suitable container for disposal. Cover with plastic sheet to prevent spreading. Do not flush to sewer or allow to enter waterways.

Section 7 - Handling and Storage

Precautions for safe handling

- Handling**
- Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

- Storage**
- Keep container/package tightly closed in a cool, well-ventilated place. Avoid humid or wet conditions. Store locked up.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Silica, crystalline - quartz (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.05 mg/m3 TWA (respirable dust)	See below
Limestone (1317-65-3)	TWAs	Not established	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)

Exposure Control Notations

ACGIH

- Silica, crystalline - quartz (14808-60-7): **Carcinogens:** (A2 - Suspected Human Carcinogen)

Exposure Limits Supplemental

OSHA

- Silica, crystalline - quartz (14808-60-7): **Mineral Dusts:** ((30)/(%SiO₂ + 2) mg/m3 TWA, total dust; (250)/(%SiO₂ + 5) mppcf TWA, respirable fraction; (10)/(%SiO₂ + 2) mg/m3 TWA, respirable fraction)

ACGIH

- Silica, crystalline - quartz (14808-60-7): **TLV Basis - Critical Effects:** (lung cancer; pulmonary fibrosis)

Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. If airborne dust is present, use

appropriate respiratory protection.

Personal Protective Equipment

Pictograms



Respiratory

- If prolonged exposure is anticipated, it is recommended for handlers to wear an approved MSHA/NIOSH dust mask N-95. Not required with normal use.

Eye/Face

- Wear safety glasses.

Hands

- Wear appropriate gloves.

Skin/Body

- Use full body suit such as Tyvek or Tychem suit is recommended.

Environmental Exposure Controls

- Avoid contaminating waterways and sewers. Refer to Section 13 - Disposal Considerations.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Variable colored granules.
Color	Multi-colored	Odor	No data available.
Particulate Type	No data available	Odor Threshold	No data available
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Bulk Density	45 to 80 lb(s)/ft³
Water Solubility	No data available	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	No data available
Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Moisture and humid conditions.

Incompatible materials

- Strong oxidizers.

Hazardous decomposition products

- Decomposes on heating above melting point producing toxic gases.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Prodiamine (0.2% TO 0.58%)	29091-21-2	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; Inhalation-Rat LC50 • 1.81 mg/L 4 Hour(s); Skin-Rat LD50 • >2000 mg/kg

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Skin Sensitizer 1
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1A
Germ Cell Mutagenicity	OSHA HCS 2012 • Not classified - data lacking
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

Acute (Immediate)

- May cause irritation. Acute Silicosis can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss.

Chronic (Delayed)

- Repeated and prolonged exposure may cause lung damage - silicosis, fibrosis, inflammation, cancer.

Skin

Acute (Immediate)

- May cause an allergic reaction in individuals with a sensitivity to prodiamine. May cause mild irritation.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)	• May cause mild irritation.
Chronic (Delayed)	• No data available
Ingestion	
Acute (Immediate)	• Under normal conditions of use, no health effects are expected.
Chronic (Delayed)	• No data available
Mutagenic Effects	• No data available.
Carcinogenic Effects	• Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans.

Carcinogenic Effects			
	CAS	IARC	NTP
Silica, crystalline - quartz	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen

Reproductive Effects	• Prodiamine: Fetal toxicity at high dose levels (rats); development and maternal toxicity observed at 1 g/kg/day.
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Section 12 - Ecological Information

Toxicity

Components		
Prodiamine (0.2% TO 0.58%)	29091-21-2	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow Trout</i> 0.83 mg/L 96 Hour(s) LC50 <i>Bluegill Sunfish</i> 0.55 mg/L Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.66 mg/L

Persistence and degradability

- Prodiamine: Persistent in soil.

Bioaccumulative potential

- Prodiamine: Does not bioaccumulate.

Mobility in Soil

- Prodiamine: Stable in water. Immobile in soil. Sinks in water (after 24 hours).

Other adverse effects

- No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste	• Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste	• Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. See product label for disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable

Special precautions for user • None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, Chronic

FIFRA – Pesticide Labeling

This material is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION

Precautionary Statements • KEEP OUT OF THE REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION Causes moderate eye injury (irritation). Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling: Prolonged or repeated skin contact with product may cause allergic reactions in some individuals.

First Aid •

If in eyes • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice. If on skin or clothing • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice. If swallowed • Call a poison control center or physician immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or physician. • Do not give anything by mouth to an unconscious person. If inhaled • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Environmental Hazards •

This product has a low solubility in water. At the limits of solubility, this product is not toxic to fish. However, at concentrations above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present or

to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

Inventory		
Component	CAS	TSCA
Limestone	1317-65-3	Yes
Prodiamine	29091-21-2	Yes
Silica, crystalline - quartz	14808-60-7	Yes

Section 16 - Other Information

Revision Date	02/March/2016
Last Revision Date	02/March/2016
Preparation Date	02/March/2016
Disclaimer/Statement of Liability	The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.