



Safety Data Sheet

Section 1: Identification

Product identifier

- Product Name** • **Howard Johnson's Weed & Feed with Millennium Ultra**
- Synonyms** • EPA Reg. No.: 228-343-32802; FertCDCaRspSS
- Product Code** • FertCDCaRspSS
- Product Description** • Variable colored granules.

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

- Recommended use** • Fertilizer with weed control for lawns.
- Restrictions on use** •
- Keep out of reach of children and domestic animals. Avoid breathing dust. Avoid contact with eyes, skin and clothing.

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
Respiratory Sensitization 1A

Combustible Dust

Label elements

OSHA HCS 2012

DANGER

- Hazard statements** • May cause cancer.
 May cause an allergic skin reaction
 May cause allergy or asthma symptoms or breathing difficulties if inhaled
 May form combustible dust concentrations in air.

Precautionary statements

- Prevention** • 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.
 Contaminated work clothing should not be allowed out of the workplace.
 Avoid breathing vapors, dust, mist or spray.
 In case of inadequate ventilation wear respiratory protection.
- Response** • IF exposed or concerned: Get medical advice/attention.
 IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Specific treatment, see supplemental first aid information.
 Wash contaminated clothing before reuse.
 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison control center or doctor.
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Storage/Disposal

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
 Store locked up.

Other hazards

OSHA HCS 2012

- This pesticide is toxic to fish and to aquatic organisms and may adversely affect non-target plants. 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 according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Mixtures

Composition		
Chemical Name	Identifiers	%
Dimethylamine salt of 2,4-dichlorophenoxyacetic acid	CAS:2008-39-1	0.69%

Clopyralid Acid	CAS:1702-17-6	0.071%
Dicamba (3,6-dichloro-o-benzoic acid)	CAS:1918-00-9	0.071%
Limestone	CAS:1317-65-3	40% TO 50%
Silica, crystalline - quartz	CAS:14808-60-7	> 0.1%
Peanut hulls	NDA	>= 5%
Other ingredients	NDA	Balance

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. Call a physician if symptoms occur.

Skin

- IF ON SKIN: Wash skin with soap and water. If irritation or rash 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: Call a POISON CONTROL center or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed by medical personnel.

Most important symptoms and effects, both acute and delayed

- May cause allergy or asthma symptoms or breathing difficulties if inhaled, may cause an allergic skin reaction in individuals with a sensitivity to 2,4-dichlorophenoxy acetic acid, may cause cancer. 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**
- SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
LARGE FIRE: Water spray, fog or regular foam.

Unsuitable Extinguishing Media

- Avoid heavy hose streams.

Firefighting Procedures

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.
LARGE FIRES: Dike fire control water for later disposal; do not scatter the material. Move containers from fire area if you can do it without risk.
Stay upwind.
Combustible dust - use low-pressure medium fog streams to avoid dust clouds.
Eliminate ignition sources.
Do not breathe gas/fumes/vapor/spray.
Do not walk through spilled material.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products

- Irritating or toxic substances may be emitted upon burning, combustion or decomposition.

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

- Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment, avoid direct contact. Ventilate enclosed areas. Avoid dust formation and breathing dust.

Emergency Procedures

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill and monitor for excessive dust accumulation. Keep unauthorized personnel away. Ventilate closed spaces before entering.

Environmental precautions

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Sweep or scoop up spills, dispose of any unusable material in approved landfill. Use appropriate Personal Protective Equipment (PPE). Use clean non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal. Avoid generating dust. Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Avoid contact with skin, eyes, and clothing. Avoid breathing dust. To minimize dust generation and accumulation, spills should be cleaned up and dust accumulations should be removed promptly. Wash thoroughly with soap and water after handling. Take precautionary measures against static charges. No open flames, no sparks and no smoking.

Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool/low-temperature, well-ventilated, dry place. Keep out of reach of children. Keep container tightly closed. Avoid humid, wet or moist conditions. Keep away from incompatible materials such as reducing agents. Do not blend or store in contact with ammonium nitrate. Ventilate enclosed areas. Store locked up.

Incompatible Materials or Ignition Sources

- May be corrosive to mild steel. Slightly corrosive to aluminum, zinc, or copper. Non-corrosive to glass, 304 or 316 stainless steel. May be reactive with halogens and slightly reactive with oxidizing agents, reducing agents, acids, alkalis, moisture.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

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

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

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

Exposure controls

Engineering Measures/Controls

- Local exhaust ventilation. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment). Use only appropriately classified electrical equipment.

Personal Protective Equipment

Pictograms



Respiratory

- If airborne dust is present or in case of inadequate ventilation, use appropriate respiratory protection. Use of half/full face air purifying or N95 dust mask is recommended.

Eye/Face

- Wear safety glasses.

Hands

- Wear appropriate gloves.

Skin/Body

- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact. Use full body suit such as Tyvek or Tychem suit is recommended.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Environmental Exposure Controls

- Avoid release to the environment.

Other Information

- See product label for specific use PPE instructions.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Variable colored granules.
Color	Varies	Odor	Varies
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)/ft ³
Water Solubility	No data available	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	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

- This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur. May form combustible dust concentrations in the air.

Conditions to avoid

- Extreme heat, high humidity or moisture. Avoid contact with moisture. If Urea is present, slow hydrolysis may produce acids corrosive to metals.

Incompatible materials

- Material may be incompatible with halogens, oxidizing agents, reducing agents, acids, alkalis, moisture, potassium chlorate, potassium nitrate, sodium nitrate, sodium hypochlorite, metal chlorates, strong bases. If Urea is present may be corrosive to mild steel and slightly corrosive to aluminum, zinc, or copper.

Hazardous decomposition products

- May release ammonia, oxides of: sulfur, nitrogen, phosphorus, and carbon. Flammable/toxic vapors will form at elevated temperatures by thermal decomposition.

Section 11 - Toxicological Information

Information on toxicological effects

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 • Respiratory Sensitizer 1A
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)

- 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. May cause allergy or asthma symptoms or breathing difficulties if inhaled due to peanut hulls.

Chronic (Delayed)

- Repeated or prolonged inhalation of dust may cause respiratory irritation. Repeated and prolonged exposure to crystalline silica containing materials may cause irritation and/or lung damage silicosis, fibrosis, inflammation, cancer.

Skin

Acute (Immediate)

- May cause an allergic skin reaction in those with a sensitivity to 2,4-dichlorophenoxy acetic acid. Exposure to dust may cause mechanical irritation.

Chronic (Delayed)

- No data available.

Eye

- Acute (Immediate)** • Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)** • No data available

Ingestion

- Acute (Immediate)** • Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)** • No data available

Other

- Chronic (Delayed)** • No data available.

Mutagenic Effects

- Not classified.

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

- Not classified.

Section 12 - Ecological Information

Toxicity

- No data available

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

Potential Environmental Effects

- This pesticide may be toxic to fish and to aquatic invertebrates.

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.

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

DOT • Environmental hazards: RQ (Dicamba 1000 lbs.)

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, SARA Title III Section 313

FIFRA – Pesticide Labeling

This chemical 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 REACH OF CHILDREN.

Hazards to Humans and Domestic Animals • Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

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 further treatment advice.

Environmental Hazards •

This pesticide may be toxic to fish and aquatic invertebrates. 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 may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

Inventory		
Component	CAS	TSCA
Dicamba (3,6-dichloro-o-benzoic acid)	1918-00-9	No
Dimethylamine salt of 2,4-dichlorophenoxyacetic acid	2008-39-1	No

Limestone	1317-65-3	Yes
Clopyralid Acid	1702-17-6	Yes
Silica, crystalline - quartz	14808-60-7	Yes

United States

Environment

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Limestone	1317-65-3	Not Listed
• Clopyralid Acid	1702-17-6	Not Listed
• Silica, crystalline - quartz	14808-60-7	Not Listed
• Dicamba (3,6-dichloro-o-benzoic acid)	1918-00-9	1000 lb final RQ; 454 kg final RQ
• Dimethylamine salt of 2,4-dichlorophenoxyacetic acid	2008-39-1	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Limestone	1317-65-3	Not Listed
• Clopyralid Acid	1702-17-6	Not Listed
• Silica, crystalline - quartz	14808-60-7	Not Listed
• Dicamba (3,6-dichloro-o-benzoic acid)	1918-00-9	1.0 % de minimis concentration
• Dimethylamine salt of 2,4-dichlorophenoxyacetic acid	2008-39-1	Not Listed

Section 16 - Other Information

Revision Date • 13/October/2016

Last Revision Date • 13/October/2016

Preparation Date • 13/October/2016

Disclaimer/Statement of Liability •

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