

# Safety Data Sheet

## Section 1 Product Information

Product Name: Vigoro Weed and Feed Bahia Mixed Lawns 4000 sf Product Code: Vigoro Bahia 4m  
Vogel Seed & Fertilizer LLC 800-635-2123  
1891 Spring Valley Rd.  
Jackson, WI 53037

Product Use: Granular blended fertilizer for general horticulture use.  
Not recommended for: Not recommended for use in or around bodies of water.

## Section 2 Hazards

### GHS Ratings:

Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	2	Human or animal evidence possibly with other information

### GHS Hazards

H319	Causes serious eye irritation
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash ... thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P337+P313	If eye irritation persists, get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with local, state, and federal laws.

Signal Word: **Danger**



## Section 3 Composition

Exact percentages of components are withheld as a trade secret.

Chemical Name	CAS number	Weight Concentration %
Urea	57-13-6	60.00% - 70.00%

Dolomite granules	16389-88-1	20.00% - 30.00%
Potassium Chloride	7447-40-7	5.00% - 10.00%
2,4-D 2-Ethylhexyl ester	1928-43-4	0.10% - 1.11%
(R)-2-(4-Chloro-2-methylphenoxy) propionic acid	16484-77-8	0.1%-1.00%
Dicamba	1918-00-9	0.07%-1.00%

## Section 4 First Aid

**Inhalation:** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If not breathing, give artificial respiration. If breath is difficult, give oxygen. If symptoms persist, call a physician.

**Eye Contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

**Skin Contact:** Wash off immediately with soap and plenty of water while removing contaminated clothes and shoes. If skin irritation persists, call a physician.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.

**Note to physicians:** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically. May cause sensitization of susceptible persons.

## Section 5 Fire Fighting

Flash Point: N/A

LEL:

UEL:

### Extinguishing Media

**Suitable Extinguishing Media:** Foam, Carbon Dioxide (CO<sub>2</sub>), dry chemical, water spray (fog.)

### Special Hazards Arising From the Substance or Mixture

The product causes burns of eyes, skin and mucous membrane. Thermal decomposition can lead to release of irritating and toxic gases and vapor. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### Explosion Data

**Sensitivity to Mechanical Impact** None

**Sensitivity to Static Discharge** None

Protective equipment and precautions for firefighters

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:** Evacuate unauthorized personnel to safe area. Use personal protective equipment as required. Keep people away from spill until cleaned.

**Environmental precautions:** Prevent further leakage or spillage if safe to do. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

**Methods for containment:** Prevent further leakage or spillage if safe to do. so

**Methods for cleaning up:** Pick up and transfer to properly labeled container. Take up mechanically, placing in appropriate containers for disposal. After cleaning, flush away traces with water.

## Section 7 Handling and Storage

### Precautions for Safe Handling

Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

**Storage Conditions:** Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible materials** Incompatible with strong acids and bases. Incompatible with oxidizing agents.

## Section 8 Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Urea 57-13-6	15mg/m <sup>3</sup>	Not Established	Not Established
Dolomite granules 16389-88-1	Not Established	Not Established	Not Established
Potassium Chloride 7447-40-7	Not Established	Not Established	Not Established
2,4-D 2-Ethylhexyl ester 1928-43-4	Not Established	Not Established	Not Established

Ensure adequate ventilation, especially in confined areas.

**Skin and body protection :** Wear protective gloves and protective clothing.

**Eye/Face Protection :** Tight sealing safety goggles. Face protection shield.

**Respiratory Protection :** In case of insufficient ventilation, wear suitable respiratory equipment.

**Other Information:** When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes, or clothing. Take off all contaminated clothing and wash it before re-use. ~~W~~ Wear suitable gloves and eye/face protection.

## Section 9 Physical Properties

<b>Appearance</b> Blend of granular pellets. <b>Physical State</b> Solid Granular <b>Specific Gravity (SG)</b> 6.001	<b>Odor</b> Slightly earthy <b>Boiling Range</b> 1420 to 1500 °C <b>Lbs VOC/Gallon Less Water</b> 0.00
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## Section 10 Stability and Reactivity

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Product is stable.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur. **Conditions to Avoid:** Exposure

STABLE

Strong acids. Strong bases. Oxidizing agents.

Not Applicable

Not Applicable

Hazardous polymerization will not occur.

Section 11 Toxicological Information

Mixture Toxicity

Component Toxicity

7447-40-7 Potassium Chloride  
Oral LD50: 1,500 mg/kg (rat)

Routes of Entry: Skin and eye. May irritate open sores and wounds. May cause temporary eye irritation.

Skin Contact          Eye Contact          Ingestion

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2,4-D 2-Ethylhexyl ester 1928-43-4	=625 mg/kg (Rat)	=65.36 mg/kg (Rat)	>=5000 mg/m <sup>3</sup> (Rat) 4h
Dicamba 1918-00-9	-1267 mg/kg (Rat)	>2000 mg/kg (Rabbit)	

16389-88-1 Dolomite granules 20 to 30%

Dolomite granules: Limestone (Dolomite granules) is not listed on the NTP, IARC or OSHA lists of carcinogens. Crystalline silica, a naturally occurring component of limestone, is listed by IARC but not by NTP or OSHA. IARC has determined that there is sufficient evidence for carcinogenicity to experimental animals exposed to crystalline silica and limited evidence for carcinogenicity to humans. "Limited evidence" means that a causal relationship is possible; however, other explanations such as chance, bias or confounding factors cannot adequately be excluded. NTP has proposed (1989) to list crystalline silica based on the IARC determination. The quantity of crystalline silica in limestone, being part of a naturally occurring mined material, vary based on where and when the material is mined. As such the exact percentage of crystalline silica in this product cannot be accurately calculated between individual batches of this product. In order to provide our end users with the most relevant safety information and err on the side of caution and in accordance with the GHS standards set forth for crystalline silica stating that any product containing more than 0.1% crystalline silica must be marked with a Carcinogen hazard classification this product bears this mark even in cases where it may not be strictly required.

## Section 12 Ecological Information

**Persistence and Degradability** Not established.

**Bioaccumulative Potential** Not established.

### Component Ecotoxicity

Urea

96 Hr LC50 *Poecilia reticulata*: 16200 - 18300 mg/L

48 Hr EC50 *Daphnia magna*: 3910 mg/L [Static]

## Section 13 Disposal Considerations

**Container Disposal:** Nonrefillable container. DO NOT reuse or refill this container. Offer for recycling if available.

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

Section 14 Transportation

**Agency**      **Proper Shipping Name**      **UN Number**      **Packing Group**      **Hazard Class**  
 Not Applicable

Section 15 Regulations

EPA Pesticide registration number 2217-884-9404

Federal Insecticide, Fungicide, Rodenticide Act Regulations.  
 The active ingredient in this product is a pesticide registered by the 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, and for workplace labels of non-pesticide chemicals.

**Country**      **Regulation**      **All Components Listed**

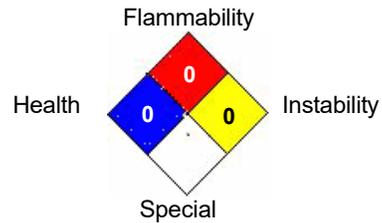
Section 16 Other Information

**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	<input type="text" value="0"/>
<b>FLAMMABILITY</b>	<input type="text" value="0"/>
<b>PHYSICAL HAZARD</b>	<input type="text" value="0"/>
<b>PERSONAL PROTECTION</b>	<input type="text"/>

**HMIS & NFPA Hazard Rating Legend**  
 \* = Chronic Health Hazard  
 0 = INSIGNIFICANT  
 1 = SLIGHT  
 2 = MODERATE  
 3 = HIGH

**National Fire Protection Association (NFPA)**



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Reviewer Revision

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