

# Safety Data Sheet

## Section 1 Product Information

Product Name: 13-0-0 STD, .37 PRODIAMINE, 25% REGAIN, 50 LB. Product Code: 2014783  
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

### GHS Hazards

H319	Causes serious eye irritation
H350	May cause cancer

### 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 %
Dolomite granules	16389-88-1	
Urea	57-13-6	
Prodiamine	29091-21-2	

N-(n-Butyl)thiophosphoric triamide	94317-64-3	
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## Section 4 First Aid

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. **First-aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. **IF SWALLOWED:** Immediately call a POISON CONTROL CENTER or doctor/physician. 4.2.

Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries:** Causes serious eye damage.

**Symptoms/Injuries After Inhalation:** Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

**Symptoms/Injuries After Skin Contact:** May cause an allergic reaction in sensitive individuals. May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

**Symptoms/Injuries After Ingestion:** May be harmful if swallowed.

**4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed** If medical advice is needed, have product container or label at hand.

**Eye Contact:** Flush eyes with plenty of water for 15 minutes. Contact physician if irritation persists.

**Skin Contact:** Wash with soap and water. Contact physician if irritation persists.

Drink plenty of water and contact physician.

**General Advice:** If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Most important symptoms and affects, both acute and delayed: Aside from the information found under Section 4 First Aid and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

**Notes to Physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment.

## Section 5 Fire Fighting

**Flash Point:** N/A

**LEL:**

**UEL:**

### Extinguishing Media

**Suitable Extinguishing Media:** Alcohol foam, carbon dioxide, dry chemical, water spray, fog. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. A heavy water stream may spread burning fire.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

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

### Advice for Firefighters

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection. **Other information:** Do not allow run-off from fire fighting to enter drains or water courses. De-contaminate equipment or materials involved in pesticide fires.

**Special Fire Fighting Procedures:** Protect eyes and skin from contact with smoke. Wear self contained breathing apparatus when fighting fires. Keep all nonessential personnel upwind from smoke. Contain runoff waters and consult with your local environmental agencies before disposal.

## Section 6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures General Measures: Handle in accordance with good industrial hygiene and safety practice.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

## Section 7 Handling and Storage

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

Storage Area: Store locked up.

## Section 8 Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Dolomite granules 16389-88-1	Not Established	Not Established	Not Established
Urea 57-13-6	15mg/m <sup>3</sup>	Not Established	Not Established
Prodiamine 29091-21-2	Not Established	Not Established	Not Established

N-(n-Butyl)thiophosphoric triamide 94317-64-3	5 mg/m3 as dust	Not Established	Not Established
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Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Hand Protection :** Wear chemically resistant protective gloves.

**Eye Protection :** Chemical goggles or safety glasses.

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

**Other Information:** When using, do not eat, drink or smoke.

### Section 9 Physical Properties

<b>Appearance</b> Blend of granular pellets.	<b>Odor</b> Slightly earthy
<b>Physical State</b> Solid Granular	<b>Specific Gravity (SG)</b> 3.782
<b>Lbs VOC/Gallon Less Water</b> 0.00	

### 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: Direct sunlight. Extremely high or low temperatures.

STABLE

Strong acids. Strong bases. Strong oxidizers.

Not Applicable

Carbon oxides (CO, CO2). Sulfur oxides. Silicon oxides.

Not Applicable

Hazardous polymerization will not occur.

### Section 11 Toxicological Information

**Mixture Toxicity**

**Component Toxicity**

94317-64-3 N-(n-Butyl)thiophosphoric triamide  
Oral LD50: 2,823 mg/kg (rat) Dermal LD50: 2,000 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

Not Applicable

**Effects of Overexposure**

CAS Number  
16389-88-1

Description  
Dolomite granules

% Weight

Carcinogen Rating

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

Toxicity Not applicable

Persistence and Degradability Not established.

Bioaccumulative Potential Not established.

Mobility in Soil No additional information available

Other Information : Avoid release to the environment.

**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



all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

Reviewer Revision

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