

# Safety Data Sheet

## Section 1 Product Information

Product Name: 19-0-0 STD, .37 PRODIAMINE, 25% REGAIN, 50 LB. Product Code: 2202321  
Spring Valley 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 Granular	57-13-6	

Prodiamine	29091-21-2	
N-(n-Butyl)thiophosphoric triamide	94317-64-3	

**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 exposure exists refer to Section 8 for specific personal protective equipment

Most important symptoms and effects, 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, fine 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

**Protecton 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. Do not 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

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protective 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 practice. 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 Granular 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

<p><b>Appearance</b> Blend of granular pellets.</p> <p><b>Physical State</b> Solid Granular</p> <p><b>Lbs VOC/Gallon Less Water</b> 0.00</p>	<p><b>Odor</b> Slightly earthy</p> <p><b>Specific Gravity (SG)</b> 1.731</p>
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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:** Direct sunlight Extremely high or low temperatures

STABLE

Strong acids Strong bases Strong oxidizers

Not Applicable

Carbon oxides (CO, CO<sub>2</sub>). 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

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
16389-88-1	Dolomite granules		<p>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.</p>

Sectton 12 Ecological Infformatton

Toxicitty Nott applicable  
 Persisttence and Degradabilitly Nott esttablished  
 Bioaccumulattve Pottenttal Nott esttablished  
 Mobilittly in Soil No additttonal infformatton available  
 Otther Infformatton : Avoid release tto tthe environmentt

**Component Ecotoxicity**

Urea Granular  
 96 Hr LC50 Poecilia reticulata: 16200 - 18300 mg/L  
 48 Hr EC50 Daphnia magna: 3910 mg/L [Static]

Sectton 13 Disposal Considerattons

Productt Disposal: Reuse productt iffi possibleMay be placed in household wastte

Conttainer Disposal: Nonrefillable conttaineDO NOT reuse or refill tthis conttaineOffier ffor recycling iffi available.

Waste Disposal Recommendattons: Dispose offi wastte matterial in accordance withh all local, regional, nattional, and internattional regulattons

Sectton 14 Transporttatton

DOT: Nott Regulatted

Proper Shipping Name: Non Regulatted

Hazard Class: Nott Applicable

ADR: Nott Regulatted

ADN: Nott Regulatted

IATA: Nott Regulatted

Proper Shipping Name: Non Regulatted

Hazard Class: Nott Applicable

RID: Nott Regulatted

IATA: Nott Regulatted

IMDG/IMO Nott Regulatted

Hazard Class Nott Applicable

Marine Polluttantt No

TDG: Nott Regulatted

ICAO: Nott Regulatted

MEX: Nott Regulatted

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
	Not Applicable			

Section 15 Regulations

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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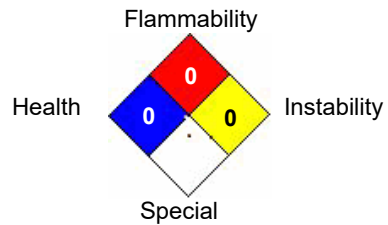
Section 16 Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

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

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



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Reviewer Revision

Date Prepared: 3/5/2020