

Safety Data Sheet

Section 1 Product Information

Product Name: Endure 14-0-3 STD, .37 PRODIAMINE, REGAIN, MOP Product Code: 2074768
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	2B	Mild eye irritant: Subcategory 2B, Reversible in 7 days
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity

GHS Hazards

H320	Causes 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
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	
Potassium Chloride	7447-40-7	

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

(1) Nuisance limit

Section 4 First Aid

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical attention.

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 Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. IF symptoms persist, seek medical attention.

Symptoms/Injuries: Causes serious eye damage.

Symptoms/Injuries After Inhalation: Dust of the product, if present, may cause respiratory irritation after an excessive 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 the following information ready:

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 there is potential for exposure, 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 water spray, or any other appropriate extinguishing media 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. Do not use contaminated 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 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 off 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 acid 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 ³	Not Established	Not Established
Potassium Chloride 7447-40-7	Not Established	Not Established	Not Established
Prodiamine 29091-21-2	Not Established	Not Established	Not Established
N-(n-Butyl)thiophosphoric triamide 94317-64-3	5 mg/m ³ as dust	Not Established	Not Established

Emergency eye wash fountains and safety showers should be available in the immediate vicinity off 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

Appearance Blend of granular pellets.	Odor Slightly earthy
Physical State Solid Granular	Boiling Range 1420 to 1500 °C
Specific Gravity (SG) 1.454	Lbs VOC/Gallon Less Water 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

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

Product Disposal: Reuse productt iffi possibleMay be placed in household waste

Container Disposal: Nonrefillable containeDO NOT reuse or refill tthis containeOffier ffior recycling iffi available

Waste Disposal Recommendation: Dispose offi waste material in accordance with all local, regional, nattonal, and intternattonal regulattons

Section 14 Transportatton

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 Polluttant: 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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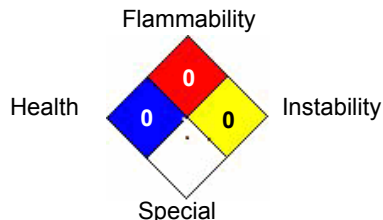
Section 16 Other Information

Hazardous Material Information System (HMIS)

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

National Fire Protection Association (NFPA)



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Reviewer Revision

Date Prepared: 1/3/2019