

Safety Data Sheet

Section 1 Product Information

Product Name: 20-0-3 STD, SURGE, 25% UFLEXX, MOP, (ENDURE) 20 LB. Product Code: 2077402
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
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 Granular	57-13-6	40.00% - 50.00%

Dolomite granules	16389-88-1	40.00% - 50.00%
Biodac	Biodac	5.00% - 10.00%
Potassium Chloride	7447-40-7	1.00% - 5.00%
N-(n-Butyl)thiophosphoric triamide	94317-64-3	0.00% - 0.10%

(1) Nuisance limit

Section 4 First Aid

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

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

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.

Section 5 Fire Fighting

Flash Point: N/A

LEL:

UEL:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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.

Special Fire Fighting Procedures: 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

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal. Dike for ahead of liquid spill for later disposal. Soak up with inert absorbent material. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

Section 7 Handling and Storage

Advice on safe handling: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

Storage: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

Section 8 Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
-------------------------	----------------------	-----------------------	-----------------------

Urea Granular 57-13-6	15mg/m ³	Not Established	Not Established
Dolomite granules 16389-88-1	Not Established	Not Established	Not Established
Biodac Biodac	Not Established	Not Established	Not Established
Potassium Chloride 7447-40-7	Not Established	Not Established	Not Established
N-(n-Butyl)thiophosphoric triamide 94317-64-3	5 mg/m ³ as dust	Not Established	Not Established

Section 9 Physical Properties

<p>Appearance Granular, free flowing granules.</p> <p>Physical State Solid Granular</p> <p>Specific Gravity (SG) 1.491</p>	<p>Odor Slight to none</p> <p>Boiling Range 1420 to 1500 °C</p> <p>Lbs VOC/Gallon Less Water 0.00</p>
---	--

Section 10 Stability and Reactivity

STABLE

Incompatibilities: None known.

Not Applicable

Hazardous Decomposition: Not established.

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

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
16389-88-1	Dolomite granules	40 to 50%	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

Component Ecotoxicity

Urea Granular

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

Section 13 Disposal Considerations

Product Disposal: Disposal should be in accordance with applicable regional, national and local laws and regulations.

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

Section 14 Transportation

Technical shipping name:..... Not regulated.
 Proper shipping name:..... Not regulated.
 Hazard Class or Division:..... Not regulated.

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

Section 15 Regulations

Country Regulation All Components Listed

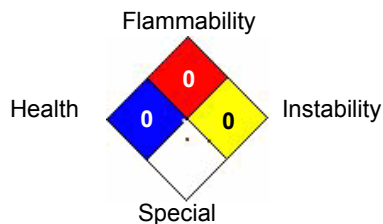
Section 16 Other Information

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)



Reviewer Revision

Date Prepared: 1/3/2019