

# Safety Data Sheet

## Section 1 Product Information

Product Name: 16-0-5 STD, .069 MENACE, 25% XCU, MOP 50 LB. Product Code: 2016810  
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 to ...

Signal Word: Danger



**Carcinogenicity / Chronic Health Effects:** Bifenthrin has produced an increased incidence of urinary bladder tumors in male mice at the highest dose level tested. This response, however, was considered equivocal and not evidence of a clear compound related effect. The U.S. EPA has classified bifenthrin as a Class C carcinogen (a possible human carcinogen). Repeated overexposure to propylene glycol can produce central nervous system depression, hemolysis and minimal kidney damage.

## Section 3 Composition

Chemical Name	CAS number	Weight Concentration %
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Dolomite granules	16389-88-1	
Urea Granular	57-13-6	
Potassium Chloride	7447-40-7	

(1) Nuisance limit

## Section 4 First Aid

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Most Important symptoms/effects, acute and delayed:** Brief skin exposure may cause moderate irritation. Prolonged exposure or overexposure may cause paresthesia (rash, tingling, numb, or burning sensation) which is characteristic of overexposure to the skin to pyrethroid insecticides. Dermal absorption is typically minimal. Systemic intoxication resulting from overexposure to the skin is not expected. Eye exposure may cause mild irritation.

**Indication of Immediate medical attention and special treatment if needed, if necessary:** Seek immediate medical attention for overexposure resulting in stupor, rapid breathing and heartbeat, profuse sweating and/or seizures

**Note to Physician:** This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils or alcohol may increase absorption and so should be avoided.

## Section 5 Fire Fighting

Flash Point: N/A

LEL:

UEL:

**Extinguishing Media:** Use water spray, dry chemical, foam, or carbon dioxide.

**Unusual Fire and Explosion Hazards:** Slightly combustible, and may support combustion at elevated temperatures. If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later.

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

## Section 6 Accidental Release Measures

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not

flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Methods for Containment:** Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Clean-Up and Disposal:** Avoid creation of dusty conditions. If dry, sweep or scoop up material and place into container for disposal. If wet, pump any free liquid into an appropriate closed container. Decontaminate tools and equipment following cleanup. See Section 13: DISPOSAL CONSIDERATIONS for more information.

Large spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

Section 7 Handling and Storage

**HANDLING:**

Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin and clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/Personal Protective Equipment (PPE) immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**STORAGE:**

Keep out of reach of children and animals, Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. **DO NOT** put concentrate or dilute material into food or drink container. In case of spill, avoid contact, isolate area, and keep out animals and unprotected persons. Confine spills. Call CHEMTREC: 1-800-424-9300.

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
Potassium Chloride 7447-40-7	Not Established	Not Established	Not Established

**Engineering Controls:**

Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

**Personal Protective Equipment:**

**Eye/Face Protection:** To avoid contact with eyes or when handlers are working in a non-ventilated space, wear chemical goggles or safety glasses with front, brow and temple protection. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, shoes, socks and chemical-resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

**Respiratory Protection:** If vapors or mists exceed acceptable levels or when working in a non-ventilated space, wear a NIOSH approved respirator with any R, P or HE filter or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

**General Hygiene Considerations:** Personal hygiene is an important work practice exposure control measure and

the following general measures should be taken when working with or handling this material: 1) Do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

**Section 9 Physical Properties**

<b>Appearance</b> Blend of granular pellets. <b>Physical State</b> Solid Granular <b>Specific Gravity (SG)</b> 1.556	<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:** Stable under normal conditions of use.  
**Chemical Stability:** This material is stable under normal handling and storage conditions.  
**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.  
**Conditions to Avoid:** Excessive heat. Do not store near heat or flame.

STABLE

Potassium permanganate.

Not Applicable

Under fire conditions, may produce gases such as hydrogen chloride, hydrogen fluoride, carbon oxides and unidentified organic compounds.

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)

**Likely Routes of Exposure:** Inhalation, eye and skin contact.

**Symptoms of Exposure:** Skin contact with bifenthrin causes slight irritation. Overexposure to the skin may produce skin sensations such as rash, numbness, burning or tingling. These skin sensations are reversible and usually subside within 12 hours. Causes mild eye irritation. Systemic effects are not expected from skin exposure. Overexposure (inhalation or ingestion) may result in tremors, convulsions, incoordination, decreased locomotion and nasal discharge, including bleeding.

**Delayed, immediate and chronic effects of exposure:** None presently known

Skin Contact      Eye Contact      Ingestion

**Subchronic (Target Organ) Effects:** Ingestion of large amounts of propylene glycol has resulted in symptoms of reversible central nervous system depression including stupor, rapid breathing and heartbeat, profuse sweating and seizures.

Not Applicable

**Effects of Overexposure**

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			Not Applicable

**Section 12 Ecological Information**

**Environmental Fate:**

In the soil, bifenthrin is stable over a wide pH range and degrades at a slow rate that is governed by soil characteristics. Bifenthrin will also persist in aquatic sediments. Bifenthrin has a high Log Pow (>6.0), a high affinity for organic matter, and is not mobile in soil. Therefore, there is little potential for movement into ground water. There is the potential for bifenthrin to bioconcentrate (BCF = 11,750).

**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**

**Waste Disposal Method:**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Section 14 Transportation**

**DOT**

Non Regulated - See 49 CFR 173.132(b)(3)

**IMDG**

UN3082, Environmentally Hazardous substances, liquid, n.o.s. (bifenthrin), 9, PG III, Marine Pollutant

**IATA**

UN3082, Environmentally Hazardous substances, liquid, n.o.s. (bifenthrin), 9, PG III, Marine Pollutant

<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**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	SARA Title III Not listed	No
USA	TSCA All listed or exempted	No

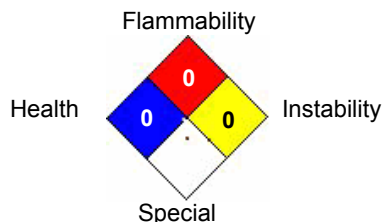
**Section 16 Other Information**

**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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