

Safety Data Sheet

Section 1 Product Information

Product Name: 0-0-7 STD, PROTEGO, MOP 50 LB. Product Code: 2237600
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:

Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: $\geq 1.5 < 2.3$
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity

GHS Hazards

H316	Causes mild skin irritation
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
P332+P313	If skin irritation occurs: 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



Section 3 Composition

Chemical Name	CAS number	Weight Concentration %
Imidacloprid		

Dolomite granules	16389-88-1	
Potassium Chloride	7447-40-7	
N-methyl pyrrolidone	872-50-4	
Lambda-Cyhalothrin	91465-08-6	

Section 4 First Aid

Inhalation: Remove to fresh air, if irritation of lungs persists contact physician.

Eye Contact: 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. Call a poison control center or doctor for treatment advice.

Skin Contact: Wash with soap and water. Contact physician if irritation persists. Drink plenty of water and contact physician.

Most important symptoms/effects, acute and delayed: Eye irritation; changes in blood chemistry; heart, thyroid, liver damage

Indication for immediate medical attention and special treatment, if needed, if necessary: Eye irritation

Section 5 Fire Fighting

Flash Point: N/A

LEL:

UEL:

Suitable extinguishing media: Use extinguishing media suitable for surrounding material. Dry chemical, carbon dioxide, foam, water spray or fog.

Unsuitable extinguishing media: None.

Special hazards arising from the substance or mixture

Hazardous combustion products: May produce hydrogen chloride, hydrogen fluoride, hydrogen sulfide, ammonia, and oxides of carbon, nitrogen, phosphorus and sulfur.

Unusual Fire and Explosion Hazards: If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supply. Dispose of fire control water later.

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

Section 6 Accidental Release Measures

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. Other 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

Precautions for safe handling: Causes moderate eye irritation. Avoid contact with eyes or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing 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. Keep children and pets off treated area until dry.

Storage: Store in original container. Keep area inaccessible to children and pets. Do not contaminate water, food, or feed by storage or disposal.

Section 8 Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Imidacloprid	Not Established	Not Established	Not Established
Dolomite granules 16389-88-1	Not Established	Not Established	Not Established
Potassium Chloride 7447-40-7	Not Established	Not Established	Not Established
N-methyl pyrrolidone 872-50-4	Not Established	Not Established	Not Established
Lambda-Cyhalothrin 91465-08-6	Not Established	Not Established	Not Established

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

Eye/Face Protection: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. 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, socks, shoes and chemical-resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

Respiratory Protection: Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

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

<p>Appearance Blend of granular pellets.</p> <p>Physical State Solid Granular</p> <p>Specific Gravity (SG) 1.000</p>	<p>Odor Slightly earthy</p> <p>Boiling Range 1420 to 1500 °C</p> <p>Lbs VOC/Gallon Less Water 0.00</p>
---	---

Section 10 Stability and Reactivity

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

Incompatibilities: Strong acids and bases.

Not Applicable

Hazardous Decomposition: Not established.

Not Applicable

Hazardous polymerization will not occur.

Section 11 Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 3,425mg/kg

Inhalation Toxicity LC50: 76mg/L

Component Toxicity

- 7447-40-7 Potassium Chloride
Oral LD50: 1,500 mg/kg (rat)
- 872-50-4 N-methyl pyrrolidone
Dermal LD50: 5,000 mg/kg (Rat) Inhalation LC50: 2 mg/l (Rat)
- 91465-08-6 Lambda-Cyhalothrin
Dermal LD50: 5,000 mg/kg (Rat) Inhalation LC50: 2 mg/l (Rat)

Routes of Entry: Skin and eye. May irritate open sores and wounds. May cause temporary eye irritation.

Ingestion

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 Hazards:

This product is toxic to aquatic invertebrates.

Ecotoxicity:

Data on Imidacloprid Technical:

- 96-hour LC50 Rainbow Trout: 211 mg/l Japanese Quail Oral LD50: 31 mg/kg
- 48-hour EC50 Daphnia: 85 mg/l Bobwhite Quail Oral LD50: 152 mg/kg
- 96-hour LC50 Mysid: 0.038 ppm House Sparrow Oral LD50: 41 mg/kg
- 48-hour Honey Bee Contact LD50: 0.078 ug/bee 48-hour Honey Bee Oral LD50: 0.0039 ug/bee

Data on Lambda-Cyhalothrin Technical:

- 96-hour LC50 Bluegill: 0.00021 ppm Bobwhite Quail 8-day Dietary LC50: >5,300 ppm
- 96-hour LC50 Rainbow Trout: 0.00024 ppm Mallard Duck 8-day Dietary LC50: >3,948 ppm
- 48-hour EC50 Daphnia: 0.00036 ppm
- Honey Bee Oral LD50: 0.038 ug/bee
- Mallard Duck LC50: 3,950 mg/kg

Environmental Fate:

Hydrolysis half-life of imidacloprid is greater than 30 days at pH 7 and 25°C. The aqueous photolysis half-life is less than 3 hours. The soil surface photolysis of imidacloprid has a half-life of 39 days, and in soil, the half-life ranged from 26 to 229 days. Lambda-Cyhalothrin is moderately persistent in the soil with reported half-lives ranging from 4 to 12 weeks. It shows a high affinity for soil with a reported Koc of 180,000. Lambda-Cyhalothrin has extremely low water solubility and is tightly bound to soil.

Component Ecotoxicity

Section 13 Disposal Considerations

Product Disposal: Reuse product if possible. May be placed in household waste.

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.

<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.

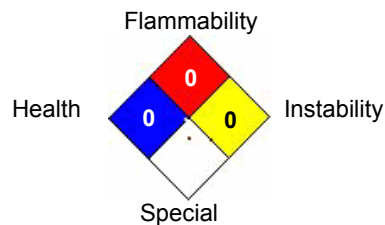
<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	SARA Title III Not listed	No
USA	TSCA All listed or exempted	No

Section 16 Other Information

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="0"/>	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	<input type="text" value="0"/>	
PHYSICAL HAZARD	<input type="text" value="0"/>	
PERSONAL PROTECTION	<input type="text"/>	

National Fire Protection Association (NFPA)



The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with 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.

Date Prepared: 1/15/2016