

SAFETY DATA SHEET



WILBUR-ELLIS.

1. Identification

Product identifier The Germinator 19-8-12
Other means of identification None.
Recommended use Turf and Ornamental Product - Turf Nutrition
Recommended restrictions The ingredients used to produce this material contain crystalline silica in a form not-respirable or carcinogenic due to its manufacturing method and structure. Do not attempt to grind or mill this product.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Wilbur-Ellis Company LLC
Address Wilbur-Ellis Company LLC
16300 Christensen Rd Ste 135
Tukwila, WA 98188
United States
Telephone Branded Products Information (800) 500-1698
E-mail SDS@WilburEllis.com
Emergency phone number Chemtrec - International +1 703-741-5970

Distributor

Address PGG Wrightson Turf
1375 Springs Rd
Lincoln 7674
New Zealand
Telephone 3 966 9309

2. Hazard(s) identification

Signal Word

Warning

Hazard Statement

H303 May be harmful if swallowed.

H402 Harmful to aquatic life.

Other Information

Generally applicable to ammonium salts: symptoms after swallowing may include local irritation, nausea, vomiting and diarrhoea.

Systemic effects: symptoms upon ingestion of large quantities may include a drop in blood pressure, collapse, CNS disorders, spasms, narcotic conditions, respiratory paralysis and haemolysis.

Prevention

P273 Avoid release to the environment

Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

New Zealand National Poisons Centre: Telephone: 0800 764 766 (NZ Only)

3. Composition/information on ingredients

Mixtures

Chemical Solid Granular Blend

Characterization

Ingredients

Name	CAS number	Proportion
Muriate of Potash	7447-40-7	25%
Urea	57-13-6	35%
Monoammonium Phosphate	7722-76-1	35%
Sucrated Micronutrient - A complex mixture of oxides (Copper, Iron, Manganese and Zinc) with sucrose.	N/A	5%

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately obtain medical aid if cough or other symptoms appear.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Irrigate with copious amounts of water for 15 minutes. Seek medical assistance if symptoms persist.
Ingestion	Rinse mouth thoroughly with water. Repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Get medical attention if effects persist.
First Aid Facilities	Maintain eyewash fountain and safety shower in the area.
Most important symptoms/effects, acute and delayed	Dusts may irritate the respiratory tract, skin and eyes.
Indication of immediate medical attention and special treatment needed	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact Poisons Information Centre (Phone New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Specific Methods	Use methods suitable for extinguishing surrounding fire.
Specific hazards arising from the chemical	May liberate toxic fumes in fire such as nitrogen oxides, phosphorus oxides and ammonia. Thermal decomposition may produce toxic fumes of nitrogen and phosphorus oxides.
Specific hazards arising from the chemical	Material does not burn. Fire or heat will produce irritating, poisonous and/or corrosive gases. Runoff may pollute waterways.
Precautions in connection with Fire	Use suitable protective equipment for surrounding fire.

6. Accidental release measures

Spills and Disposal	Do not touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place into loosely-covered plastic containers for later disposal.
Personal Protection	Wear protective clothing specified for normal operations (See Section 8).
Clean-up Methods - Small Spillages	Sweep up (avoid generation dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

7. Handling and storage

Precautions for safe handling	Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated place. Keep containers securely sealed and protected from physical damage.
Corrosiveness	May be mildly corrosive to steel and aluminum.

8. Exposure controls/personal protection

Other Exposure Information	No exposure standards have been established for this product, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m ³ . All atmospheric contamination should be kept as low as possible.
Appropriate engineering	Maintain concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.

Individual protection measures, such as personal protective equipment

Respiratory protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS/NZS 1716 - 2012 - Respiratory Protective Devices and be selected in accordance with AS/NZS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
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Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS/NZS 1337 and be selected and used in accordance with AS/NZS 1336. Recommendation: Safety glasses.
Hand protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Body Protection	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS/NZS 3765 Clothing for Protection Against Hazardous Chemicals.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS/NZS 2210, Occupational protective footwear - Guide to selection, care and use.
Hygiene Measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Form

Solid.

Appearance

Multicoloured granules

Odour

Odourless

pH

Not available.

Melting point/freezing point

>100°C

Flammability (solid, gas)

Non-Combustible material

Specific Gravity

Not available.

Solubility (water)

Soluble (400 g/L @ 20°C)

10. Stability and reactivity

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents, strong acids, strong bases, sodium hypochlorite, magnesium and methenamine.

Hazardous decomposition products

May liberate toxic fumes in fire such as nitrogen oxides and ammonia. Thermal decomposition may produce toxic fumes of nitrogen oxides.

Possibility of hazardous reactions

Contact with strong bases or magnesium metal releases ammonia. Contact with methenamine causes slow evolution of formaldehyde.

Hazardous Polymerization

Will not occur

11. Toxicological information

Information on likely routes of exposure

Ingestion

Ingestion of large amounts may cause diarrhoea, nausea, vomiting, cramps, drop in blood pressure and disturbed electrolyte balance.

Inhalation

May cause irritation to the respiratory tract, nose and throat. Symptoms may include of coughing and choking.

Skin

Dust or powder may irritate the skin.

Eye

Dust may irritate the eyes.

Carcinogenicity

No evidence of carcinogenic properties.

Chronic Effects

Repeated or prolonged skin contact may cause dermatitis.

Mutagenicity

No evidence of mutagenic properties.

12. Ecological information

Ecotoxicity

Quantitative data on the ecological effect of this product are not available.

Persistence and degradability

Methods for the determination of biodegradability are not applicable to inorganic substances.

Acute Toxicity - Fish

The following applies to ammonium ions in general: biological effects: fish: toxic as from 0.3 mg/l nourishment for fish: toxic as from 0.3 mg/l

Other Information

Further ecologic data: Depending on the concentration, phosphorus and/or nitrogen compounds may contribute to eutrophication of drinking water supplies.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal Considerations

Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and government regulations.

14. Transport information

Not classified as a Dangerous Good according to the New Zealand Code for the Transport of Dangerous Goods.

15. Regulatory information

Regulatory Information

Components of this material are listed in the New Zealand Inventory of Chemical Substances (NZIoC). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Poisons Schedule

Not Scheduled.

16. Other information, including date of preparation or last revision

Issue date

12/3/2020

Version

1

Contact Person/Point

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