



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

1.1 Product Identifier	
Product Name	Greenskeeper's Secret 12-12-12
Formula	12-12-12
Synonyms	12-12-12
1.2 Recommended Use	Fertilizer
1.3 Restrictions on Use	None known.
1.4 Manufacturer and/or Distributor	T&N, Incorporated 815 Highway T, P.O. Box 240 Foristell, MO 63348-0240 866-670-2505 www.tandninc.com info@tandninc.com

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the Substance or Mixture	
Classification	Eye Damage/Irritation - Category 2B
2.2 Label Elements	
Signal Word	Warning
2.3 Other Hazards	No known significant effects or critical hazards.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number
Diammonium Phosphate	7783-28-0
Granular Urea	57-13-6
Granular Muriate of Potash	7447-40-7
Clay	1302-78-9
Limestone	1317-65-3

SECTION 4: FIRST AID MEASURES

4.1 Emergency and First Aid Procedures	
Inhalation	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. Get medical aid.
Skin Contact	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before use.
Eye Contact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if irritation develops and persists.
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. For further assistance, contact your local Poison Control Center 1-800-222-1222.
4.2 Note to Physician	Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media	Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.
5.2 Fire Fighting Instructions	As in any fire, wear a self-contained breathing apparatus in a pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use extinguishing media appropriate to surrounding fire conditions. Substance is noncombustible. Decomposes at high temperatures, resulting in toxic and corrosive products. Water runoff can cause environmental damage. Dike and collect water used to fight fire.
5.3 Flammable Properties and Hazards	No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.
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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling	
Protective Measures	Put on appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Hygiene Measures	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering areas.
Conditions for Safe Storage, Including Any Incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters	
Occupational Exposure Limits	None.
8.2 Exposure Controls	
Appropriate Engineering Controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Hand Protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory Protection	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental Exposure Controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State	Solid
Appearance	White, gray and brown granules
Odor	Slight ammonia odor.
Odor Threshold	Not available.
pH	Not available.
Evaporation Rate	Not available.
Melting Point	Not available.
Boiling Point	Not available.
Flash Point	Not available.
Auto-ignition Temperature	Not available.
Decomposition Temperature	Not available.
Flammability (solid, gas)	Not available.
Lower Flammable Limit	Not available.
Upper Flammable Limit	Not available.
Vapor Pressure	Not available.
Relative Vapor Density at 20° C	Not available.
Relative Density	Not available.
Solubility	Not available.
Viscosity	Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical Stability	The product is stable.
10.3 Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to Avoid	No specific data.
10.5 Incompatible Materials	No specific data.
10.6 Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects - Product	
Acute Toxicity	Very low toxicity to humans or animals.
Skin Corrosion/Irritation	May cause irritation.
Serious Eye Damage/Irritation	May cause irritation.
Respiratory or Skin Sensitization	May cause irritation.
Germ Cell Mutagenicity	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Reproductive Toxicity	No known significant effects or critical hazards.
Aspiration Hazard	Not available.
Symptoms/Injuries After Inhalation	No known significant effects or critical hazards.
Symptoms/Injuries After Skin Contact	No known significant effects or critical hazards.
Symptoms/Injuries After Eye Contact	No known significant effects or critical hazards.
Symptoms/Injuries After Ingestion	No known significant effects or critical hazards.
Chronic Symptoms	No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Not available.
12.2 Persistence and Degradability	No known significant effects or critical hazards.
12.3 Mobility in Soil	Not available.
12.4 Other Adverse Effects	No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all time comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT	Not regulated.
14.2 In Accordance with IMDG	Not regulated.
14.3 In Accordance with IATA	Not regulated.
14.4 In Accordance with TDG	Not regulated.

SECTION 15: US FEDERAL REGULATIONS

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| 15.1 US Federal Regulations | All components are listed or exempted. |
| 15.2 US State Regulations | All components are listed or exempted. |

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

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| 16.1 Date Prepared | Jun-15 |
| 16.2 Other Information | |



The information and statements in these Safety Data Sheets are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable, depending on particular, exceptional, or variable conditions or circumstances of use, or storage, or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you, and must make independent determination of the suitability of the information from all sources, to assure both the proper use of the material described herein and the safety and health of employees.