

**SECTION 1: Identification**

**1.1 Product identifier**

Product name                                    Green Gobbler Foaming Root Killer  
Product number                                GGFRK  
EPA Registration No.                        Exempt (FIFRA 25b)

**1.3 Recommended use of the chemical and restrictions on use**

Foaming Root Killer, Clears roots from pipes and stops new growth. FIFRA 25(b) exempt "minimum risk" pesticide product for the control of various pest species per label in ready-to-use formulation.

**1.4 Supplier's details**

Name    Ecoclean Solutions  
Address     570 Oak St  
   Copiague, NY 11726  
  
Telephone                                         (877) 416-6880

**1.5 Emergency phone number(s):**        800-535-5053

**SECTION 2: Hazard identification**

**2.1 Classification of the substance or mixture**

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

Not a hazardous substance or mixture.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

Chemical Name	CAS No.	Weight - % *
Sodium Chloride	7647-14-5	90 – 95 %
Sodium Bicarbonate	144-55-8	1 – 5 %
Citric Acid	77-92-9	1 – 5 %
Sodium Lauryl Sulfate	151-21-3	1 – 5 %

**Trade secret statement (OSHA 1910.1200(i))**

\*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

#### General advice

**If inhaled** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician if symptoms occur.

**In case of skin contact** Wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if symptoms occur.

**In case of eye contact** Check for and remove contact lenses, if present and easy to do. Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Immediate medical attention is required. Call a physician if symptoms occur.

**If swallowed** Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head low so that vomit does not enter lungs. Never give anything by mouth to an unconscious person. Call a physician or poison control center if symptoms occur.

#### Personal protective equipment for first-aid responders

Poison information centers in each state can provide additional assistance for scheduled poisons. Ensure that those providing first aid and medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### 4.2 Most important symptoms/effects, acute and delayed

May cause irritation if exposed to the skin or eyes.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Water spray, dry powder, alcohol resistant foam, carbon dioxide.

### 5.2 Specific hazards arising from the chemical

Citric acid: Carbon oxides

Sodium bicarbonate: Carbon oxides, Sodium oxides

Sodium lauryl sulfate: Carbon oxides, Sulphur oxides, Sodium oxides

Sodium chloride: Hydrogen chloride gas, Sodium oxides

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from the fire area if you can do so without risk. Use water spray to cool adjacent fire exposed containers. Product will not burn but may splatter if temperature exceeds boiling point.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ventilate area of leak or spill. Isolate hazard area and keep unnecessary and unprotected

Protective Equipment: personnel away from the area of the leak or spill. Keep upwind. Wear appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin, and clothing.

### 6.2 Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3 Methods and materials for containment and cleaning up

Sweep or collect spill with an inert material (e.g. vermiculite, dry sand, earth, cloth, or fleece) and place in a non-combustible container for reclamation or disposal. Do not flush to sewer. Clean contaminated surface thoroughly. Residues from spills can be diluted with water. Never return spills in original containers for reuse. Clean up in accordance with all applicable regulations.

#### Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage. Store in tightly closed container. Store in cool, dry, well ventilated area. Store out of direct sunlight in a cool, well ventilated place. Store in original container.

Incompatible materials: acids, reducing agents

#### Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

### 8.2 Appropriate engineering controls

Ensure adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**

Wear safety glasses with side shields or goggles and a face shield. Maintain approved eye wash station and accessible rinse facilities in work area

**Skin protection**

Wear appropriate chemical resistant clothing (with long sleeves) and appropriate chemical resistant gloves

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Appearance/form (physical state, color, etc.)	Colorless to white, translucent, crystalline solid.
Odor	Odorless
Odor threshold	No data available.
pH	7.1 (aqueous solution at 25 °C)
Melting point/freezing point	806 °C
Initial boiling point and boiling range	1465 °C at 760 mmHg
Flash point	Not applicable
Evaporation rate	No data available.
Flammability (solid, gas)	Not flammable.
Upper/lower flammability limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	2.2 (Water = 1)
Solubility(ies)	Soluble in Water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No data found. May be corrosive to metals.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

This product may react with strong acids and strong oxidizing agents.

**10.4 Conditions to avoid**

Excessive heat, moisture, incompatible materials.

**10.5 Incompatible materials**

Citric acid: Oxidizing agents, Bases, Reducing agents, Nitrates

Sodium bicarbonate: Sodium bicarbonate reacts with acids with release of large volumes of carbon dioxide gas and heat.

Sodium chloride: Strong oxidizing agents

**10.6 Hazardous decomposition products**

No hazardous decomposition products are known. Contact with acids liberates toxic gas.

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

May be harmful if swallowed, inhaled, or exposed to the eyes. May cause irritation to the skin.

**Skin corrosion/irritation**

Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking.

Citric acid LD50 Skin - Rabbit - > 2,000 mg/kg	Sodium bicarbonate LD50 Skin - Rabbit - >2300 mg/kg Citation: OECD SIDS	Sodium chloride LD50 Skin - Rabbit - > 10,000 mg/kg
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**Serious eye damage/irritation**

Causes slight eye irritation.

**Respiratory or skin sensitization**

Avoid breathing vapors or mists. May cause irritation of respiratory tract.

Sodium bicarbonate LC50 Inhalation - Rat – 7300 mg/l - 2 hr	Sodium chloride LD50 Inhalation - Rat - > 42,000 mg/m3 - 1 hr	Sodium lauryl sulfate LC50 Inhalation - Rat - > 3,900 mg/m3 - 1 hr
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**Germ cell mutagenicity**

Product would not be expected to be genotoxic at physiological concentrations because it is a normal metabolite. It was not mutagenic in Salmonella typhimurium, and did not induce chromosome aberrations in cultured Chinese hamster fibroblast cells

**Carcinogenicity**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity**

Prolonged or repeated exposure may cause mutagenic effects, reproductive effects, or damage to the unborn child.

**Additional information**

Persons with pre-existing eye, skin, respiratory, or allergic conditions may be more sensitive.

**SECTION 12: Ecological information**

<b>Marine pollutant</b>	No information available
<b>Ecotoxicity</b>	No information available
<b>Persistence and degradability</b>	No information available
<b>Bioaccumulation</b>	No information available
<b>Mobility</b>	No information available

**Other adverse effects**

**Ozone** No information available

**Ozone depletion potential (ODP)** No information available

**SECTION 13: Disposal considerations**

**Disposal of the product**

Observe all federal, state and local regulations when disposing of this substance.

**Disposal of contaminated packaging**

Dispose of as unused product.

**Waste treatment**

No data available.

**Sewage disposal**

No data available.

**Other disposal recommendations**

Review federal, provincial, and local government requirements prior to disposal

**SECTION 14: Transport information**

**DOT (US)** Not Regulated

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations specific for the product in question**

**California Prop. 65 Components**

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

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**New Jersey Right To Know Components**

Citric acid CAS-No. 77-92-9	Sodium bicarbonate CAS-No.: 144-55-8	Sodium lauryl sulphate CAS-No. 151-21-3	Sodium chloride CAS-No. 7647-14-5
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**Pennsylvania Right To Know Components**

Citric acid CAS-No. 77-92-9	Sodium bicarbonate CAS-No.: 144-55-8	Sodium lauryl sulphate CAS-No. 151-21-3	Sodium chloride CAS-No. 7647-14-5
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**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 311/312 Hazards**

Acute Health Hazard  
No SARA Hazards

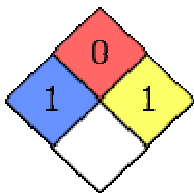
**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**HMIS Rating**

Green Gobbler Foaming Root Killer	
<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>1</b>
<b>PERSONAL PROTECTION</b>	

**NFPA Rating**



**SECTION 16: Other information**

**16.1 Further information/disclaimer**

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