

# Material Safety Data Sheet

May be used to comply with

OSHA's Hazard Communication Standard, 29 CFR 1910.1200. This Standard must be consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health

Administration

(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

<b>IDENTITY</b> ( <i>As Used on Label and List</i> ) <b>ST. Gabriel Laboratories Moss Killer Concentrate</b> Active ingredient: Clove Oil 12%, Sodium Laurly Sulfate 8% Inert ingredients: Vinegar, Citric Acid, Mineral oil, Lecithin, Water Total inert 80% Total 100%	
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## Section I

Manufacturer's Name: <b>St. Gabriel Laboratories</b>	Emergency Telephone Number <b>(800) 801-0061 Toll Free</b>
Address: <b>14044 Litchfield Drive</b>	Telephone Number for Information <b>(540) 672-0866</b>
<b>Orange, Virginia</b> <b>22960</b>	Date Prepared April 25, 2003

## Section II - Physical/Chemical Characteristics

Boiling Point	<b>102°C 230 F.</b>	Specific Gravity (H <sub>2</sub> O = 1)	1.05
Vapor Pressure (mm Hg.)		Melting Point	N/A
Vapor Density (AIR = 1)		Evaporation Rate (Butyl Acetate = 1)	<b>&gt;1.0</b>
Solubility in Water <b>Complete in all Proportions</b>			
Appearance and Odor <b>Milky White</b>			

## Section III - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
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<b>112 Degrees F</b>	<b>Not tested</b>	<b>N/A</b>	<b>N/A</b>
Extinguishing Media Foam, Carbon Dioxide, or Dry Chemical extinguishers			
Special Fire Fighting Procedures Self contained breath apparatus.			
Fire and Explosion Hazard: The product is flammable.			
Unusual Fire and Explosion Hazards <b>NONE</b>			
Hazardous Decomposition Products: Acid Vapors, Carbon Dioxide, Carbon Monoxide			

#### Section IV - Reactivity Data

Stability: Reacts with organic and inorganic bases.			Conditions to Avoid: Contact with skin, eyes, or prolong inhalation. Do not ingest product.
Incompatibility: Bases and caustic compounds (alkaline compounds)			
Hazardous Decomposition or Byproducts None			
Hazardous Polymerization Will not occur.			Conditions to Avoid

#### Section V - Health Hazard Data

Route(s) of Entry:	Inhalation? <b>Yes</b>	Skin? <b>YES</b>	Ingestion? <b>YES</b>
Health Hazards: Contains acetic acid and is flammable and extremely corrosive. Contact with this product will result in severe eye irritation and possible permanent damage. Contact with this product will cause severe skin irritation and/or chemical burns. Breathing vapors will cause significant respiratory irritation, and pulmonary edema if prolonged. Ingestion of this product could cause burns and destroy tissue in the mouth, throat, and digestive tract.			
Carcinogenicity:	NTP? <b>N/A</b>	IARC Monographs? <b>N/A</b>	OSHA Regulated? <b>N/A</b>
Signs and Symptoms of Exposure			
<b>Emergency and First Aid Procedures: Inhalation:</b> Remove person to fresh air. Seek immediate medical assistance.			
<b>Ingestion:</b> Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further			

damage to the mouth and throat. If individual is conscious and alert, immediately rinsing mouth with water and give milk or water to drink. If possible, do not leave individual unattended.

**Skin:** Immediately flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Call a physician immediately. Wash clothing before reuse and discard contaminated shoes.

**Eyes:** Immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Call a physician immediately.

**Section VI - Precautions for Safe Handling and Use**

**Steps to Be Taken in Case Material is Released or Spilled:** Cover the contaminated surface with sodium bicarbonate or a soda ash/flaked lime mixture (50-50). Mix and add water if necessary to form a slurry. Scoop up slurry and wash site with soda ash solution. Proper mixing procedures are essential. Trained personnel should conduct this procedure. Untrained personnel should be removed from the spilled area.

**Waste Disposal Method:**  
A leaking bottle may be placed in a plastic bag and normal disposal procedures followed. Liquid samples may be absorbed using vermiculite or sand, and disposed of in the normal way.

**Precautions to Be taken in Handling and Storing**  
Avoid contact with eyes, skin or clothing. Keep bottle/container tightly closed and store in a cool, dry place.

Other Precautions  
N/A

**Section VII - Control Measures**

**Respiratory Protection:** Wear a properly fitted half-face or full-face air purifying respirator which is approved for pesticides (NIOSH/MSHA IN U.S.) AND acid gas type cartridges.

<b>Ventilation:</b> Product for outdoor use only.	Local Exhaust N/A	Special N/A

<b>Protective Gloves:</b> Wear Neoprene, Nitrile, or natural rubber gloves.	<b>Eye Protection</b> Wear chemical goggles when handling the product and during application.
<b>Other Protective Clothing or Equipment:</b> Rubber apron is recommended when handling this product. Wear long sleeved shirt, long pants, socks and shoes.	

### Section VIII - Special Precautions

<p><b>Precautions to be taken in Handling and Storing:</b> Keep container tightly closed when not in use. Store only in the original container in a cool, dry place.</p>

The above information is believed to be correct, but does not purport to be all inclusive. This data should be used only as a guide in handling this material. Moss Killer Concentrate/St. Gabriel Laboratories shall not be held liable for any damage resulting from handling or from direct contact with this product.