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

### **Section I**

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

## **Section II - Physical/Chemical Characteristics**

Boiling Point	102°C 230 F.	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)	>1.0
Solubility in Water  Complete in all Proporti	ons		
Appearance and Odor Milky White			

## **Section III - Fire and Explosion Hazard Data**

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Tiasii Toilie (Mailea esea)	T turring Diffics		CLL

112 Degrees F	Not tested	N/A	N/A	
Extinguishing Media				
Foam, Carbon Dioxide, or Dry Chemical extinguishers				
Special Fire Fighting Procedures				
Self contained breath apparatus.				
Fire and Explosion Hazard: The pro-	duct is flammable.			
Unusual Fire and Explosion Hazard	S			
NONE				
Hazardous Decomposition Products	s: Acid Vapors, Car	bon Dioxide, Carbo	on 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.
			nee ingese producti
Incompatibility: Bas	<u>l</u> es and caustic compou	l Inds (alkaline compou	l nds)
Hazardous Decompo	osition or Byproducts	· · · · ·	
None			
Hazardous			Conditions to Avoid
Polymerization			
Will not occur.			

## Section V - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
Route(s) of Entry.			
	Yes	YES	YES
Health Hazards:			
Contains acetic acid and	is flammable and extremely	corrosive. Contact with th	is product will result in
	ossible permanent damage.		
	burns. Breathing vapors wi		
pulmonary edema if prole	onged. Ingestion of this pro	duct could cause burns and	d destroy tissue in the
mouth, throat, and digestive		duct could cause burns and	desiroy dissue in the
mouth, throat, and digestr	ve tract.		
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A
Signs and Symptoms of l	Exposure		
	2p = 5.0 5		
	id Procedures: Inhalation	: 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

<b>Steps to Be Taken in Case Material is Released or Spilled</b> : 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.

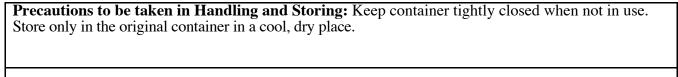
Other Precaut	ions
N/A	

#### **Section VII - Control Measures**

<b>Respiratory Protection:</b> 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	Local Exhaust	Special	
outdoor use only.	N/A	Ñ/A	

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

## **Section VIII - Special Precautions**



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.