

Lilly Miller Moss Out! For Roofs & Structures Safety Data Sheet Date of issue: 02/12/2016 Revision date: 03/30/2021 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Trade name	: Lilly Miller Moss Out! For Roofs & Structures
Synonyms	: 100099150, 100099152, 100099153, 100099154, EPA Reg. No.: 802-591, UPC #: 070624- 10605-1, UPC #: 0-70624-10615-0
1.2. Recommended use and restriction	s on use
Recommended use	: To kill or prevent moss growth.
Restrictions on use	: Avoid contact with skin and eyes. Keep out of reach of children. Do NOT take internally.
1.3. Supplier	
Lilly Miller Brands	
1000 Parkwood Circle, Suite 700	
Atlanta, GA 30339 - United States	
www.mossout.com	
1.4. Emergency telephone number	
Emergency number	: 1-800-265-0761
	1-800-424-9300 - CHEMTREC 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted
SECTION 2: Hazard(s) identificatior	1
2.1. Classification of the substance or I	mixture
GHS US classification	
Acute toxicity (oral) Category 4	Harmful if swallowed
Serious eye damage/eye irritation Category 1	Causes serious eye damage
2.2. GHS Label elements, including pre	cautionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (CLIS LIS)	GHS05 GHS07
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: Harmful if swallowed Causes serious eye damage
Precautionary statements (GHS US)	 Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Call a poison center or doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
	Rinse mouth. Dispose of contents/container in accordance with local/regional/national/international
	regulations.
	in classification
2.3. Other hazards which do not result Other hazards which do not result in classification	-

SECTION 3: Composition/Information	tion on ingredients		
8.1. Substances			
Name		Product identifier	%
Sulfuric acid, zinc salt (1:1), monohydrate		(CAS-No.) 7446-19-7	99
Non-hazardous and/or does not meet criteria for c	lassification	(CAS-No.) N/A	1
.2. Mixtures			,
lot applicable			
SECTION 4: First-aid measures			
.1. Description of first aid measures			
irst-aid measures after inhalation	: IF INHALED: Remove person to fresh ai CENTER or doctor/physician if you feel u		ng. Call a POISON
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of soap a advice/attention.		ccurs: Get medical
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water and easy to do. Continue rinsing. If eye i		
First-aid measures after ingestion	: IF SWALLOWED: Call a POISON CENT Do NOT induce vomiting unless directed		unwell. Rinse mouth.
.2. Most important symptoms and ef	fects (acute and delayed)		
Symptoms/effects after eye contact	: Causes serious eye damage.		
symptoms/effects after ingestion	: Harmful if swallowed.		
I.3. Immediate medical attention and	special treatment, if necessary e may contraindicate the use of gastric lavage. T	Treat symptomatically	
SECTION 5: Fire-fighting measure			
5.1. Suitable (and unsuitable) extingu			
Suitable extinguishing media	: Use extinguishing agent suitable for surrounding fire.		
Insuitable extinguishing media	: Avoid heavy hose streams.		
5.2. Specific hazards arising from the			
Reactivity	: The product is non-reactive under norma	al conditions of use, storage and tr	ansport.
5.3. Special protective equipment and	d precautions for fire-fighters		
Firefighting instructions	 Keep unauthorized personnel away. Do or sewers. Stay upwind. Ventilate closed gas/fumes/vapor/spray. 		
Protection during firefighting	 Do not attempt to take action without sui apparatus. Complete protective clothing. 		ontained breathing
SECTION 6: Accidental release me	easures		
5.1. Personal precautions, protective	equipment and emergency procedures		
5.1.1. For non-emergency personnel			
Emergency procedures	: Avoid contact with skin, eyes and clothin protective equipment, avoid direct contact		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without sui	table protective equipment. Positiv	e pressure self-
	contained breathing apparatus (SCBA).	арар — аралан — аланан — аралан — арала	
Emergency procedures	 Ventilate area. Wear appropriate person- release. Stay upwind. Evacuate unneces release to the environment. 		
5.2. Environmental precautions			
Avoid release to the environment.			
6.3. Methods and material for contain	ment and cleaning up		
Methods for cleaning up		container for disposal. Avoid dust	

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includ	ling any incompatibilities
Storage conditions	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store in original container. Avoid excess heat. Avoid humid, wet or moist conditions. Do not store near strong acids, oxidizing agents, hazardous or toxic substances.
Incompatible materials	: Strong oxidizers. Strong bases. Strong acids.

SECTION 8: Exposure controls/personal protection 8.1. **Control parameters** No additional information available

8.2.	Appropriate engineering controls	
Appropr	iate engineering controls	: Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
Environ	mental exposure controls	: Avoid release to the environment.
8.3.	Individual protection measures/Pers	sonal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks and shoes.

Respiratory protection:

In case of insufficient ventilation, use NIOSH approved respiratory protection.



9.1. Information on basic physical an	d chemical properties
Physical state	: Solid
Appearance	: White powder
Color	: White
Odor	: No data available
Odor threshold	: No data available
рН	: 3-5
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: 500 °C (932 °F)
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non-flammable
Vapor pressure	: No data available
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Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 50 lb/cu ft - 105 lb/cu ft
Solubility	: Soluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosion limits	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid extreme temperatures. Avoid humid, moist or wet conditions.

10.5. Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

10.6. Hazardous decomposition products

Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes which may include oxides of sulfur and zinc.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Lilly Miller Moss Out! For Roofs & Structures LD50 oral 926 mg/kg

GHS-US Properties	Classification
Acute toxicity (oral)	Harmful if swallowed.
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

Potential health effects

Inhalation

Acute

: May cause respiratory tract irritation.

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Chronic	: Prolonged exposure to high levels of dust can cause metallic taste thirst, coughing, fatigue, weakness, muscular pain, and nausea followed by fever and chills.
Skin	
Acute	: May cause skin irritation.
Chronic	: Prolonged or repeated contact may cause dermatitis or irritation.
Eye	
Acute	: Causes serious eye damage.
Ingestion	
Acute	: Harmful if swallowed.
Mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive Effects	: Not classified.

SECT	SECTION 12: Ecological information		
12.1.	Toxicity		
No data	available		
12.2.	Persistence and degradability		
No data	available		
12.3.	Bioaccumulative potential		
No data	available		
12.4.	Mobility in soil		
No data	available		
12.5.	Other adverse effects		
Lilly N	Lilly Miller Moss Out! For Roofs & Structures		
Ecolo	gical Fate	This product is toxic to fish and aquatic organisms.	

SECT	SECTION 13: Disposal considerations		
13.1.	Disposal methods		
Product	/Packaging disposal recommendations	 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. 	

SECTIO	SECTION 14: Transport information				
	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
IMDG	UN3077	Packaging greater than 5 kg: Environmentally hazardous substance, solid, n.o.s (Zinc sulphate monohydrate)	9	111	Marine pollutant
ΙΑΤΑ	UN3077	Packaging greater than 5 kg: Environmentally hazardous substance, solid, n.o.s (Zinc sulphate monohydrate)	9	111	Acute aquatic toxicity

SECTION 15: Regulatory information

15.1. US Federal regulations

Sulfuric acid, zinc salt (1:1), monohydrate (7446-19-7)			
CERCLA RQ 1000 lb			
EPA Labelling			
EPA Registration Number	802-591		
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.			
FIFRA Hazard statements Danger			
FIFRA Precautionary statements KEEP OUT OF REACH OF CHILDREN.			

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FIFRA Hazards to Humans and Domestic Animals	Corrosive. Causes irreversible eye damage. Harmful if swallowed, absorbed through skin or inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing dust or spray mist. Wear goggles. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Do not allow persons or pets in treated areas until dusts have settled or sprays have dried.
FIFRA First aid	IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. IF INHALED: Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.
FIFRA Environmental hazards	This product is toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters.

15.2. US State regulations

No additional information available

SECTION 16: Other information		
Date of issue	: 12 February 2016	
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SDS US (GHS HazCom 2012) - CGP

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