

MATERIAL SAFETY DATA SHEET



Metro Mix® 510

92075

Scotts-Sierra Horticultural Products Co.
The Scotts Company
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Marysville, Ohio 43041

In Case of Emergency call:
1-937-644-0011 (USA)
For non-Emergency calls:
1-937-644-0011 (USA)

I. MATERIAL IDENTIFICATION

Product Name: Metro-Mix® 510
Analysis: N/A
Stock Number: 92075

NFPA Hazard Ratings		
Health	2	0 Least
Flammability	1	1 Slight
Reactivity	0	2 Moderate
		3 High

II. HAZARDOUS INGREDIENTS

MATERIAL	CAS #	OSHA	ACGIH
		PEL	TLV
Gypsum (calcium sulfate)	10101-41-4	None	None
Vermiculite	1318-00-9	None	None
Calcium Carbonate (limestone)	1317-65-3	5mg/m3	10mg/m3
Sand (quartz)	14808-60-7	0.1mg/m3	0.1mg/m3

All exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures. Product coating is expected to minimize airborne exposures.

The ACGIH Threshold Limit Values for nuisance (inert) dusts containing <1% crystalline silica and no asbestos are: 10 mg/m3 total, 5mg/m3 respirable.

III. FIRST AID PROCEDURES

Eyes: If in eyes, flush with water for 15 minutes holding eyelids open. Get medical attention if irritation persists.
Ingestion: Adverse health effects are not expected if swallowed. Contact a physician if adverse symptoms occur.
Skin: Wash with plenty of soap and water.
Inhalation: Remove to fresh air. Treat symptomatically.

IV. HEALTH HAZARD INFORMATION

Summary of Risks

Direct contact may irritate eyes. Skin contact is not expected to cause harmful effects. Material is not considered harmful by ingestion. Inhalation of dust may irritate nose, throat and lungs, which may cause coughing, sneezing and minor upper respiratory tract irritation, typical of nuisance dust exposure. Long term excessive exposure to quartz dust, present in common soil mix ingredients such as perlite, gypsum and sand may cause risk of lung damage (silicosis). **However, product water content renders significant exposure unlikely under typical use conditions.**

This product contains ingredients which may contain small amounts of quartz (crystalline silica), which has been classified as a Group 2a probable carcinogen by IARC, a unit of the World Health Organization.

Medical conditions which may be aggravated by contact: Skin abrasions and sores. Respiratory problems.

Target Organs: Eyes and respiratory tract.

Primary Entry Route(s): Ingestion, inhalation.

Chronic Effect(s): See summary.

Ingredients Listed as a Carcinogen

IARC Monographs: Crystalline Silica (Group 2a probable carcinogen).

NTP: Silica, crystalline quartz, respirable dust - anticipated carcinogen.

OSHA: No

V. PERSONAL PROTECTION AND PRECAUTIONS

Goggles: Safety glasses with side shields or goggles are recommended to prevent eye contact with dust particles.

Gloves: None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.

Respirator: Not generally required. If airborne dust levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection (e.g. NIOSH/MSHA approved respirator for dusts, mists, and fumes) to reduce exposures to acceptable levels.

Workplace Considerations

Ventilation: Ventilation and personal protection are recommended whenever dust levels are high or product does not remain intact.

Safety Stations: Running water should be available in case material gets in eyes.

Other: Ingredients with occupational exposure limits comprise a small percentage of the total product. For this reason, it is not expected that these limits will be exceeded unless the nuisance dust standards are exceeded.

CAUTION! MAY CAUSE SLIGHT IRRITATION

- . . . Avoid contact with eyes.
- . . . Avoid creating dust.
- . . . Provide adequate ventilation and respiratory protection if necessary.
- . . . Keep out of children's reach.

Supplemental Information:

One of the primary ingredients in Scotts-Sierra soilless mixes is vermiculite, a naturally occurring mineral that contains Tremolite, a form of asbestos, in the ore body. The mining, milling and expanding processes include systems which reduce the asbestos content of the vermiculite to the lowest feasible levels. These processes typically reduce the respirable tremolite fiber content in the vermiculite to a level of 0.005 (50 ppm) or less by weight. Once added to the soilless mix this level is reduced even more.

In accordance with exposure regulations, the vermiculite used to produce Scotts-Sierra soilless mixes has been blended with water and other raw materials to assure that no airborne asbestos fibers in excess of regulatory limits will be released.

VI. PHYSICAL HAZARD INFORMATION

Flammable Limits (% in Air):	N/A	Color:	Brown
Extinguishing Media:	Water	Odor:	Earthy
Auto Ignition Temperature:	N/A	Boiling Point:	N/A
Flash Point (method):	N/A	Solubility in H ₂ O	Negligible
		Specific Gravity:	(H ₂ O = 1) N/A
		Vapor Pressure:	N/A
		Evaporation Rate:	N/A
<u>Reactivity</u>		pH:	4.5 - 6.8
Stability:	Stable	% volatile:	30% min. as water
Hazardous Polymerization:	Will Not Occur		
Conditions to Avoid:	Extreme heat. Contact with water reactive materials.		
Hazardous Decomposition Products:	Oxides of sulfur and carbon.		
Chemical Incompatibilities:	This product contains a minimum of 30% water; avoid contact with any water reactive materials.		
Unusual Fire, Explosion and Reactivity Hazards:	May decompose on heating to emit toxic oxides of sulfur. High airborne dust concentrations have the potential for explosion.		
<u>In Case of Fire:</u>	Evacuate area. Flood with water to cool containers. Wear self-contained breathing apparatus to fight large fires.		

VII. REGULATORY INFORMATION

DOT Classification:	Not Hazardous
UN Register:	None
Engineering Controls:	None Required

VIII. STORAGE AND SPECIAL PRECAUTIONSPrecautions to be taken in handling and storage

Store in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuffs, as well as household cleaning products. Wash hands with soap and water after handling product. Keep out of reach of children.

In case of spills

Avoid dusting or misting conditions during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water.

Waste Management/Disposal

If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with applicable federal, state, and local regulations.

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