

Safety Data Sheet



SDS # 1003

Date of Issue: July 23, 2015

Supersedes: New

PRODUCT NAME:

Standard Mixes

Metro Mix 300
Metro Mix PX300
Metro Mix 340
Metro Mix 350
Metro Mix 360
Metro Mix PX 360
Metro Mix 360 SC
Metro Mix 366
Metro Mix 366P SC
Metro Mix 380
Metro Mix 380 SC
Metro Mix 510 LL
Metro Mix 560 SC
Metro Mix 715
Metro Mix 720
Metro Mix 740
Metro Mix 820
Metro Mix 820 PC
Metro Mix 820 RH
Metro Mix 820 SC
Metro Mix 830
Metro Mix 838

RSi Mixes

Metro Mix 300 RSi
Metro Mix PX300 RSi
Metro Mix 340 RSi
Metro Mix 350 RSi
Metro Mix 360 RSi
Metro Mix PX 360 RSi
Metro Mix 360 SC RSi
Metro Mix 366 RSi
Metro Mix 366P SC RSi
Metro Mix 380 RSi
Metro Mix 380 SC RSi
Metro Mix 510 LL RSi
Metro Mix 560 SC RSi
Metro Mix 715 RSi
Metro Mix 720 RSi
Metro Mix 740 RSi
Metro Mix 820 RSi
Metro Mix 820 PC RSi
Metro Mix 820 RH RSi
Metro Mix 820 SC RSi
Metro Mix 830 RSi
Metro Mix 838 RSi

Standard Mixes

Metro Mix 840
Metro Mix 840 PC
Metro Mix 840 SC
Metro Mix 841
Metro Mix 841 SC
Metro Mix 850 PC
Metro Mix 852
Metro Mix 855
Metro Mix 865
Metro Mix 900
Metro Mix 902
Metro Mix 910
Metro Mix 930
Metro Mix 940P
Metro Mix 950
Metro Mix 960
Metro Mix GBX
Metro Mix HPM
Metro Mix PX1
Metro Mix PX2
Metro Mix PX3
Metro Mix SPM
Metro Mix CB

RSi Mixes

Metro Mix 840 RSi
Metro Mix 840 PC RSi
Metro Mix 840 SC RSi
Metro Mix 841 RSi
Metro Mix 841 SC RSi
Metro Mix 850 PC RSi
Metro Mix 852 RSi
Metro Mix 855 RSi
Metro Mix 865 RSi
Metro Mix 900 RSi
Metro Mix 902 RSi
Metro Mix 910 RSi
Metro Mix 930 RSi
Metro Mix 940P RSi
Metro Mix 950 RSi
Metro Mix 960 RSi
Metro Mix GBX RSi
Metro Mix HPM RSi
Metro Mix PX1 RSi
Metro Mix PX2 RSi
Metro Mix PX3 RSi
Metro Mix SPM RSi
Metro Mix CB RSi

Metro Mix Natural & Organic

Standard Mixes

Metro Mix 560 SC N&O
Metro Mix N&O 820
Metro Mix N&O 840
Metro Mix N&O Container Mix

RSi Mixes

Metro Mix 560 SC N&O RSi
Metro Mix N&O 820 RSi
Metro Mix N&O 840 RSi
Metro Mix N&O Container Mix RSi

1. Product and Company Identification

Recommended Uses: End-use horticulture

Restrictions on Uses: None

Manufacturer/Supplier

Sun Gro Horticulture Distribution Inc.
770 Silver Street
Agawam, MA 01001
1-800-732-8667

Distributed in the USA by

Sun Gro Horticulture Distribution Inc.
770 Silver Street
Agawam, MA 01001
1-800-732-8667

Distributed in Canada by

Sun Gro Horticulture Canada Ltd.
52130 RR 65, PO Box 189
Seba Beach, AB T0E 2B0 Canada
1-800-732-8667

For more information: www.sungro.com

For more customer information call:

Western Region: 1-888-797-6497
Eastern Region: 1-888-896-1222
Agawam: 1-800-732-8667

Central Region: 1-888-982-4500
Southeast Region: 1-800-683-7700

2. Hazards Identification

Classification of the mixture

Canadian Sphagnum Peat Moss, Sphagnum Peat Moss, or Peat based products are not specifically listed in the OSHA List of *Hazardous and Toxic Substances* (Hazard Communication Standard 29 CFR 1910.1200) but products are classified as "Particulates Not Otherwise Regulated" (PNOR) and classified by ACGIH as a "Nuisance Dust" or "Particulates Not Otherwise Classified" (PNOC).

Label elements

| | |
|---------------------------------|------|
| Hazard pictograms | None |
| Signal word | None |
| Hazard Statements | None |
| Precautionary Statements | None |
| Other hazards | None |

3. Composition/Information on Ingredients

| Ingredients | CAS No. | EC No | Concentration |
|--------------------|----------------|--------------|----------------------|
| Peat | NA | NA | 20-100% |

4. First Aid Measures

Description of first aid measures

General information

In case of persisting adverse effects consult a physician. Never give anything by mouth to an unconscious person, person having convulsions, or a person with cramps.

In case of inhalation

Remove to fresh air. Prolonged exposure to dust may cause irritation to respiratory tract.

In case of skin contact

Non-irritant. If skin irritation occurs, get medical attention or advice.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists call a poison control center or a doctor.

In case of ingestion

If able, rinse mouth and drink plenty of water. Do not induce vomiting. Call a Poison Control Center or doctor if feeling unwell.

More important symptoms and effects, both acute and delayed

The following symptoms may occur:

In case of inhalation: Irritation to respiratory tract

In case of skin contact: Non-irritant

In case of eye contact: May cause redness or irritation

In case of ingestion: Ingestion of large amounts may cause gastrointestinal disturbances

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5. Fire Fighting Measures

Extinguishing media:

Suitable extinguishing media: Use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood area with water.

Unsuitable material: None.

Specific hazards arising from the chemical

Non-combustible material

Thermal decomposition products:None

Protective equipment and precautions for firefighters

Keep upwind of fire. Wear full firefighting turn out gear (full Bunker gear) and respiratory protection (self-contained breathing apparatus (SCBA)).

6. Accidental Release Measures

Personal precautions

Provide adequate ventilation Wear personal protection equipment (Section 8).

Environmental precautions

Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

Methods and material for containment and clean up

Take up mechanically, placing in appropriate containers for disposal or recovery. Avoid generating dust.

Unsuitable material for containment or taking up: None specified

Other information

None

7. Handling and Storage

Precautions for Safe Handling

Avoid generation of dust. Provide adequate ventilation. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed to avoid dust generation

8. Exposure Controls/Personal Protection

Exposure Guidelines: Occupational exposure limits

| | <u>Nuisance dust</u> | |
|------------|------------------------------|----------------------------------|
| OSHA – PEL | 15 mg/m ³ (total) | 5 mg/m ³ (respirable) |
| ACGIH TLV | 10 mg/m ³ (total) | 3 mg/m ³ (respirable) |

Derived No-Effect Level* (DNEL) suggested by manufacturer: Workers (Industrial/professional):

Peat and Peat Moss based products

DNEL Human, dermal, long term (repeated) not available

* (Derived No-Effect Level (DNEL) is the level of exposure to the substance above which humans should not be exposed)

Engineering controls

Use exhaust ventilation to keep airborne concentrations below exposure limits.

Personal Protective Equipment

Eye/face protection: Safety glasses

Skin protection: No specific requirement

Respiratory Protection: Wear respiratory protection, where airborne concentrations are expected to exceed exposure limits.

General Hygiene Considerations

Avoid contact with eyes.

9. Physical and Chemical Properties

| | |
|---------------------------------------|---------------------------|
| Appearance | Fibrous |
| Color | light brown to dark brown |
| Odor | faint earthy odor |
| Odor Threshold | Not applicable |
| pH value | 3.5-7.5 |
| Melting point/freezing range | No data available |
| Boiling temperature/boiling range | Not applicable |
| Flash Point | Not applicable |
| Vaporization rate/Evaporation rate | No data available |
| Flammable Solids | flammable |
| Explosion limits (LEL, UEL) | Not applicable |
| Vapor Pressure | Not applicable |
| Vapor Density | Not applicable |
| Relative Density | 100-400 g/l or 6-25 lb/cf |
| Solubility | Not applicable |
| Partition coefficient n-octanol/water | Not applicable |
| Auto Ignition temperature | Not applicable |
| Decomposition temperature | No data available |
| Viscosity | Not applicable |

Other information

Explosive properties Not explosive

Oxidizing properties None

10. Stability and Reactivity

Reactivity

Material is stable under normal ambient conditions.

Chemical stability

Stable under normal storage and temperature conditions.

Possibility of hazardous reactions

None

Conditions to avoid

Dust generation, open flames

Incompatible materials

None

Hazardous decomposition products

None known

11. Toxicological Information

Likely routes of exposure (inhalation, ingestion, skin and eye contact)

Eye contact, skin contact and inhalation. Exposure by ingestion is not expected to occur through normal agricultural/horticultural use.

Symptoms related to the physical, chemical and toxicological characteristics

May be irritant to the respiratory tract. May cause redness or irritation to the eyes. Ingestion of large amounts may cause gastrointestinal disturbances.

Toxicological effects from short and long term exposure

Acute toxicity:

Acute oral toxicity

No LD50 data available

Assessment/classification: Based on available data for the ingredients of the mixture, the classification criteria are not met.

Irritant and corrosive effects:

No data available

Assessment/classification: Based on available data, the classification criteria are not met

Respiratory or skin sensitization

No data available

Assessment/classification: Based on available data, the classification criteria are not met

Genetic effects: This product does not contain ingredients classified as germ cell mutagens.

Bacterial (Ames Test)

Negative

Chromosomal aberrations

Negative

Mutation in mammalian cells

Negative

Assessment/classification: Based on available data, the classification criteria are not met.

Reproductive toxicity: Adverse effects on sexual function and fertility/developmental toxicity: OECD guideline 422

No data available

Assessment/classification: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

The product does not contain relevant ingredients classified as Target Organ Toxicant.

Practical experience/human evidence

No relevant effect have been observed after single exposure.

Assessment/classification: Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

Organs affected

None

Effects

None

Guideline

OECD 422

Assessment/classification: Based on available data, the classification criteria are not met.

Aspiration hazard

Physicochemical data and toxicological information does not indicate an aspiration hazard.

Assessment/classification: Based on available data, the classification criteria are not met

Carcinogenicity

| | |
|--|----------------|
| International Agency for Research on Cancer (IARC) | Not Listed |
| National Toxicology Program (NTP) | Not Listed |
| 29 CFR part 1910, subpart Z | Not Listed |
| California Proposition 65 | Not Listed |
| WHO (2003) Nitrate in drinking water | Not applicable |

Assessment/classification: Based on available data, the classification criteria are not met

Other Toxicological Information

None

12. Ecological Information**Ecotoxicity****Aquatic Toxicity**

No data available

Assessment/classification: Based on available data, the classification criteria are not met

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Other adverse effects

None known

13. Disposal Considerations

Disposal should be in accordance with applicable federal and state laws.

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

Not considered hazardous waste according to the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

14. Transportation Information**US DOT (49CFR part 172)**

| | |
|-------------------------|----------------|
| UN No. | Not regulated |
| UN Proper Shipping Name | Not applicable |
| Hazard class | Not applicable |
| Packing group | Not applicable |
| Hazard label(s) | Not applicable |
| Special marking | No |
| Special Provision | No |

International Maritime Organization (IMDG Code)

| | |
|-------------------------|----------------|
| UN No. | Not regulated |
| UN Proper Shipping Name | Not applicable |
| Hazard Class | Not applicable |
| Packing group | Not applicable |
| Marine pollutant | No |
| Hazard label(s) | Not applicable |
| Special marking | No |
| Special Provision | No |

Air transport (ICAO-TI/IATA-DGR)

| | |
|-------------------------|----------------|
| UN No. | Not regulated |
| UN Proper Shipping Name | Not applicable |
| Hazard class | Not applicable |
| Packing group | Not applicable |
| Hazard label(s) | Not applicable |
| Special marking | No |

Special handling procedure

None

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Other special precautions

None

15. Regulatory Information

US Federal

SARA Title III Rules

Section 311/312 Hazard Classes

| | |
|-----------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Release of Pressure | No |
| Reactive Hazard | No |

Section 313 Toxic Chemicals

Ingredients not listed

Section 302 Extremely Hazardous Substances (EHS)/CERCLA Hazardous Substances

Ingredients not listed

NFPA 704: National Fire Protection Association

| | |
|------------|------|
| Health | 0 |
| Fire | 0 |
| Reactivity | 0 |
| Special | None |

US State Regulations

| | |
|---------------------------|------------|
| California Proposition 65 | Not listed |
|---------------------------|------------|

Chemical Inventories

| | |
|-------------------------|----------------------------|
| United States TSCA | All ingredients are listed |
| Canada DSL | All ingredients are listed |
| European Union (EINECS) | All ingredients are listed |
| Japan (METI) | All ingredients are listed |

16. Other Information

This SDS complies with 29 CFR part 1910 subpart Z (2012) and ANSI Standard Z400.1-2004

The information contained in this SDS is provided without warranty of any kind, express or implied. The information contained herein is made available solely for consideration, investigation, and verification by the original recipients hereof. Users should consider this information only as a supplement to other information gathered by or available to them. Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials for the safety and health of employees, customers, and the environment. This hazard information is not a substitute for risk assessment under actual conditions of use. Users have the responsibility to keep currently informed on chemical hazard information, to design and update their own programs, and to comply with all applicable national, federal, state, provincial, and local laws and regulations regarding safety, occupational health, right to know, and environmental protection.