

Safety Data Sheet (SDS)

SECTION 1. IDENTIFICATION: MICHIGAN PEAT HORTICULTURAL PRODUCTS

Prepared January 27, 2014
Latest Update: June 28, 2024

Product Names:

- Baccto Premium Potting Soil

Baccto Lite Premium Potting Soil

Garden Magic Potting Soil

Baccto Organic Optimum Mix

Baccto Professional Growers' Mix

Garden Magic Peat

Baccto Top Soil

Garden Magic Top Soil

Nature's Richest Top Soil

Baccto Raised Garden Bed Mix

Garden Magic Pre-moist Hort Sphagnum

Baccto Veggie Mix*

Baccto Container Mix

Baccto The COW Peat and Composted Manure

Baccto Organic Premium Potting Soil*

Baccto ELITE hp Indoor Growing Media - High Porosity 35/65
- Baccto Professional Planting Mix

Baccto Fortified Peat

Baccto High-Density Mix

Nature's Richest Potting Soil

Nature's Richest Compost & Manure

Baccto High-Porosity Mix

Baccto Bark 1000 Mix

Baccto Bark 2000 Mix

Baccto Sphagnum Peat Moss*

Baccto Garden Soil

Baccto Organic Compost*

Garden Magic Compost and Manure

Baccto Peat*

Baccto Nursery and Landscapers Mix

Baccto Tree, Shrub, & Perennial Mix

Products with * are OMRI listed for use in organic production.

Manufacturer / Supplier:
Michigan Peat
2243 Milford
Houston, TX 77094
(800) 324-7328
Emergency Number: (800) 324-7328
For more information go to www.michiganpeat.com
Product Uses: Horticulture
Restriction on Use: Do not ingest.

SECTION 2. HAZARD(S) IDENTIFICATION

Component	CAS#	OSHA PEL		ACGIH TLV	
		Total	Respirable	Total	Respirable
Nuisance dust	N/A	15 mg/m3	5 mg/m3	10 mg/m3	3 mg/m3

See product labels for ingredients and product specific information. These products are not classified as hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200, Health Hazard and are classified as Particulates Not Otherwise Classified or Nuisance Dust under ACGIH.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Physical State: Solid

Appearance: Fibrous with granular texture

Color: Light brown to dark brown

Odor: Faint soil-like odor

pH: 3.5 to 7.5

Density: 15 to 40 pounds per cubic foot

Boiling Point: N/A

Vapor Pressure: N/A

Solubility in Water: N/A

Melting Point: N/A

Evaporation Rate: N/A

Specific Gravity: N/A

SECTION 4. FIRST AID MEASURES

Routes of entry: Inhalation, ingestion, eyes

Health hazards: Nuisance dust, eye irritation

Carcinogenicity: None

Effects of Exposure: Eye irritation if contact occurs; prolonged exposure to nuisance dust can cause respiratory irritation.

Emergency and First Aid Procedures: If eye irritation occurs, flush eyes with clear water. If respiratory irritation occurs move to fresh air.

Other concerns: None

SECTION 5. FIRE FIGHTING MEASURES

Stability: Products are stable.

Conditions to Avoid: See product labels. Keep away from flammable materials and open flames.

Flash Point: N/A

Flammable Limits: N/A

Extinguishing Media: Water

Special Fire Fighting Procedures: None, extinguish completely.

Unusual Fire and Explosion Hazards: None.

Incompatibility: None

Hazardous Decomposition or By Products: Burning product will produce non-hazardous smoke.

Polymerization: N/A

Incompatible Materials: None

Extinguishing Techniques: Douse flames and smoldering material with water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of a spill or release: Sweep or vacuum spilled material.

Waste disposal method: Reclaim material in flowerbed, yard or garden. Material is non-hazardous according to EPA 40 CFR 261.3 and 261.4.

Precautions to be taken in handling and storage: Minimize dust.

Other Precautions: Wear protective eyewear if dust causes eye irritation.

SECTION 7. SAFE HANDLING AND STORAGE

Steps to be taken in case of a spill or release: Sweep or vacuum spilled material.

Waste disposal method: Reclaim material in flowerbed, yard or garden. Material is non-hazardous according to EPA 40 CFR 261.3 and 261.4.

Precautions to be taken in handling and storage: Minimize dust.

Other Precautions: Wear protective eyewear if dust causes eye irritation.

Ecological Information: See product labels.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Permissible Exposure Limits (PELs) – N/A

Threshold Limit Values (TLVs) – N/A

Precautions to be taken in handling and storage: Minimize dust.

Personal Protective Equipment: Wear protective eyewear if dust causes eye irritation.

Ecological Information: See product labels.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: Fibrous with granular texture

Color: Light brown to dark brown

Odor: Faint soil-like odor

pH: 3.5 to 7.5

Density: 15 to 40 pounds per cubic foot

Boiling Point: N/A

Vapor Pressure: N/A

Solubility in Water: N/A

Melting Point: N/A

Evaporation Rate: N/A

Specific Gravity: N/A

SECTION 10. STABILITY AND REACTIVITY

Stability: Products are stable.

Conditions to Avoid: See product labels. Keep away from flammable materials and open flames.

Flash Point: N/A

Flammable Limits: N/A

Extinguishing Media: Water

Special Fire Fighting Procedures: None, extinguish completely.

Unusual Fire and Explosion Hazards: None.

Incompatibility: None

Hazardous Decomposition or By Products: Burning product will produce non-hazardous smoke.

Polymerization: N/A

SECTION 11. TOXICOLOGICAL INFORMATION

Routes of entry: Inhalation, ingestion, eyes

Health hazards: Nuisance dust, eye irritation

Carcinogenicity: None

Effects of Exposure: Eye irritation if contact occurs; prolonged exposure to nuisance dust can cause respiratory irritation.

Emergency and First Aid Procedures: If eye irritation occurs, flush eyes with clear water. If respiratory irritation occurs move to fresh air.

Other concerns: None

SECTION 12. ECOLOGICAL INFORMATION

Ecological Information: See product labels.

SECTION 13. DISPOSAL CONSIDERATIONS

Steps to be taken in case of a spill or release: Sweep or vacuum spilled material.

Waste disposal method: Reclaim material in flowerbed, yard or garden. Material is non-hazardous according to EPA 40 CFR 261.3 and 261.4.

SECTION 14. TRANSPORT INFORMATION

Material is non-hazardous according to EPA 40 CFR 261.3 and 261.4.

SECTION 15. REGULATORY INFORMATION

N/A

SECTION 16. OTHER INFORMATION

This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers and workers / employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label. The information contained herein is, to the best of Michigan Peat's knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Michigan Peat shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any trademark, trade name or patented invention without a license. In addition, Michigan Peat shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or any hazards inherent in the nature of the product.

Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System) and OSHA-Hazard Communication Standard 29 CFR.1910.1200, System of Classifying and Labeling of Chemicals

Material Name: Sand, Gravel, Construction Aggregate, River Stone, River Pebbles

Component Carcinogenicity

Construction/Manufacturing aggregate (gravel or stone) is not listed as carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA), The American Conference of Governmental Industrial Hygienists (ACGIH), or the State of California. In October 1996, an IARC Working Group re-assessing crystalline silica, a component of this product, designated crystalline silica as a carcinogen (Group 1). The NTP, ACGIH, and the State of California have listed crystalline silica (respirable size) as a known human carcinogen. This information is based on sufficient evidence of carcinogenicity in certain experimental animals and on selected epidemiological studies of workers exposed to crystalline silica.

Substance Name	IARC	NTP	ACGIH	OSHA	NIOSH	Cal. Prop. 65
Silica, Quartz (Crystalline, Silica) (14808-60-7)	G1	G2	A2	GS	Listed	YES ⁽⁶⁾
Calcium Carbonate (1317-65-3)	--	--	--	--	--	--
Amorphous Silica (fumed) (7631-86-9)	--	--	--	--	--	--
1. "--" – Not Listed 2. OSHA - Group S: OSHA Select Carcinogen 3. IARC - Group 1: Carcinogenic to humans 4. NTP - Group 2: Reasonably Anticipated to be Human Carcinogens (R) 5. ACGIH –A2: Suspected Human Carcinogen 6. California Prop. 65 Components: WARNING! This product contains a chemical known to the State of California to cause Cancer: Crystalline Silica.						

Specific Target Organ Toxicity Single/Repeat Exposure – Respiratory System

Inhalation of high concentrations of dust may be a respiratory system irritant. Inhalation of high levels of dusts especially respirable crystalline silica (quartz, cristobalite, tridymite), for periods as short as six months have been known to cause acute silicosis. Silicosis is a rapidly progressive, incurable lung disease that may be fatal. Symptoms of silicosis may include, but are not limited to, the following: shortness of breath; difficulty breathing with or without exertion; coughing; diminished work capacity; diminished chest expansion; reduction of lung volume; right heart enlargement and/or failure. **Skin**

Sensitizer

Not expected to be a skin sensitizer.

Section 12: Ecological Information (non-mandatory)

12.1 Ecotoxicity:

General Product Information: Product when used as intended is not hazardous to the environment.

Component Analysis - Ecotoxicity : No ecotoxicity data are available for this product's components.

Environmental Fate: No information available for the product.

Section 13: Disposal Considerations (non-mandatory)

13.1 Waste treatment methods:

General Product Information: Whatever cannot be saved or recovered for recycling should be disposed of according to state and local regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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Material Name: Sand, Gravel, Construction Aggregate, River Stone, River Pebbles

Section 1: Identification

- 1.1 Product trade names:** Construction/Manufacturing Aggregate: landscape; aggregate; gravel; crushed natural and processed stone combinations; American standard stone; field stone; river stone; rip-rap; other natural landscape stone combinations.
- 1.2 Product Class:** Natural and Processed Stone
- Product Codes: N/A
- CAS/EC Number: Mixture (composition detailed in Section 3)
- Intended Use: Intended use is limited to those applications where product is simply positioned (or dumped) into place (e.g., concrete, septic systems, road base, rip-rap, etc.).
- 1.3 Supplier:**
- Oldcastle Lawn & Garden.
Twelve Glenlake Parkway, Floor 12
Atlanta, GA 30328
General Information Telephone: (717) 792-8300
- 1.4 Emergency telephone:** 800-424-9300

Section 2: Hazard(s) Identification

- 2.1 Classification:**
- Carcinogenicity – Category 1A
Specific Target Organ Toxicity (Single Exposure-Respiratory System) – Category 3 Specific
Target Organ Toxicity (Repeat Exposure-Respiratory System) – Category 1
- 2.2 Labeling:**
- Pictograms:
- 
- Signal Word: DANGER
- Hazard Statements
- H335 – May cause respiratory irritation
H351 – Suspected of causing cancer
H372 – Causes damage to the organs (respiratory system) through prolonged or repeated exposure.
- Precautionary Statements
- P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood. P261 – Avoid breathing dusts.
P271 – Use only outdoors or in a well-ventilated area.
P280 – Wear protective gloves/protective clothing/eye protection/face protection. Response
P304 + P340 + P312 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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Material Name: Sand, Gravel, Construction Aggregate, River Stone, River Pebbles

Call a doctor if you feel unwell.

P308 + P313 – IF exposed or concerned: Get medical advice/attention.

Storage

P403 – Store in a well-ventilated place.

P405 – Store locked up.

Section 2: Hazard(s) Identification

Disposal

P501 – Dispose of contents in accordance with local/regional/national/international regulations.

2.3 Other Hazards: This product is classified based on the potential for exposure to dust/particulate during mechanical agitation of the product (e.g. cutting, drilling, crushing, or grinding). Exposure may result in acute and chronic health problems. Aggregate mixtures consist of various types and sizes of natural stone aggregates that may contain variable quantities of quartz (crystalline silica). Respirable crystalline silica is a naturally occurring constituent that may cause cancer. Construction/Manufacturing Aggregate may be subjected to various natural or mechanical processes that may result in airborne concentrations of nuisance dust mixed with respirable crystalline. Prolonged inhalation of crystalline silica may cause silicosis or cancer according to IARC and NTP. Other forms of crystalline silica (cristobalite/tridymite) may also be present.

Section 3: Composition/Information on Ingredients ⁽¹⁾

Chemical Name	EINECS/EC	CAS	Percent	Classification
Fine/Coarse Silica Dioxide (SiO ₂ , Silica, Quartz, Sands, Crystalline, Silica) ⁽³⁾	231-545-4	14808-60-7	50-100%	Carcinogenicity – Category 1A Specific Target Organ Toxicity (Single Exposure-Respiratory System) – Category 3 Specific Target Organ Toxicity (Repeat Exposure-Respiratory System) – Category 1
Fine/Course Aggregate/Gravel (crushed limestone)	207-439-9	1317-65-3	50-100%	Specific Target Organ Toxicity (Single Exposure-Respiratory System) – Category 3 Specific Target Organ Toxicity (Repeat Exposure-Respiratory System) – Category 1
Amorphous (fused) Silica ⁽²⁾	231-545-4	7631-86-9	Varying	

1. Composition varies naturally. Dust may contain crystalline silica in variable percentages. Crystalline silica is a known carcinogen.

2. EINECS/EC number for amorphous silica is a general silica number.

Section 4: First-Aid Measures

4.1 Description of first aid measures:

Inhalation: Remove person immediately to fresh air. If breathing is difficult or person is unconscious
SEEK MEDICAL ATTENTION IMMEDIATELY.

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Skin Contact: Treat symptomatically. Cuts and abrasions should be cleaned and bandaged. If irritation persists or develops later seek medical attention.

Eye Contact: Rinse eyes thoroughly with potable water for at least 15 minutes and remove contact lenses if easy to do. Rinse under eyelids to remove any particles. Seek medical attention as needed.

Ingestion: Although highly improbable, if the person is conscious and aware, give large amounts of water. Never attempt to make an unconscious person drink or vomit. If the person is unconscious it may be necessary to sweep the blockage out of the mouth using a finger. Seek emergency medical attention as necessary.

Section 4: First-Aid Measures

4.2 Most important symptoms and effects:

Inhalation: Inhalation of dust may cause irritation of the respiratory tract. May cause allergic or asthma-like respiratory reactions if inhaled.

Skin Contact: May cause cuts or abrasions when in contact with skin. Dust may be irritating.

Eye Contact: Particulates may cause cuts or abrasions when in contact with eyes. Dusts may cause severe irritation, abrasions, redness, tissue destruction and permanent eye damage including blindness.

Ingestion: Expected to be virtually nontoxic. Ingestion of large amounts may cause gastrointestinal irritation, choking/blockage.

4.3 Indication of any immediate medical attention and special treatment needed: See Section 4.1.

Section 5: Fire-Fighting Measures

5.1 Extinguishing media: Product is not flammable.

5.2 Special hazards arising from the substance or mixture: None known.

5.3 Advice to firefighters: Firefighters should wear self-contained breathing apparatus and protective clothing, including eye protection.

Section 6: Accidental Release Measures

6.1 Personal precautions: Wear appropriate protective equipment and clothing during clean-up as recommended in Section 8. Use caution and avoid breathing dust. Wear dust-mask or respirator if exposure limits are approached or exceeded. Avoid sweeping if dust generation occurs.

6.2 Environmental precautions: Product is not an environmental hazard.

6.3 Methods and materials for containment and cleaning up: Collect material with shovel/scoop or vacuum. Avoid sweeping.

6.4 Reference to other sections: Use information obtained throughout this SDS to be fully prepared in case of accidental release.

Section 7: Handling and Storage

7.1 Precautions for safe handling: Avoid contact with skin and eyes. Persons handling the product should wear recommended personal protective equipment (PPE) as noted in Section 8. Wash

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- Material Name: Sand, Gravel, Construction Aggregate, River Stone, River Pebbles**
thoroughly with potable water and mild soap after handling. Avoid breathing dusts. Ensure adequate ventilation (or a respirator should be worn if PELs are exceeded). Water suppression may be used to decrease airborne dust concentration. Avoid excessive agitation.
- 7.2 Conditions for safe storage, including any incompatibilities:** Avoid incompatible materials such as powerful oxidizing agents like fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride they may cause fire and/or explosions.
- 7.3 Specific end uses:** See Section 1 for intended uses.

Section 8: Exposure Controls/Personal Protection

- 8.1 Control parameters:** Note the limits shown below are for guidance only. Follow applicable regulations in your jurisdiction.

Section 8: Exposure Controls/Personal Protection

Substance Name	Source	Exposure Limit
Quartz, Silica (Crystalline Silica)	ACGIH	0.025 mg/m ³
	OSHA	50 µg/ m ³
	NIOSH	0.05 mg/m ³
Calcium Carbonate (limestone aggregate)	ACGIH	Removed TLV due to insufficient data. Use PNOC for exposure limit.
	OSHA	15 mg/m ³ (T) / 5 mg/m ³ (R)
	NIOSH	10 mg/m ³ (T) / 5 mg/m ³ (R)
Amorphous Silica (fused)	ACGIH	Removed TLV due to insufficient data. Use PNOC for exposure limit.
	OSHA	80 mg/m ³ / %SiO ₂ or 20 mppcf
	NIOSH	6 mg/m ³
	IDLH	3000 mg/m ³
Total Dust (or Particulates Not Otherwise Classified)	ACGIH	10 mg/m ³ (IP) / 5 mg/m ³ (R)
	OSHA	15 mg/m ³ (T) / 5 mg/m ³ (R)
	NIOSH	10 mg/m ³ (T) / 5 mg/m ³ (R)

- 8.1.1 Currently recommended monitoring procedures:** No recommendations.
- 8.1.2 Exposure guidelines for air contaminants, if any:** See Section 8.1
- 8.1.3 DNELS and PNECS for exposure scenarios:** Information not available at this time.
- 8.1.4 Control banding for risk management:** Use good industrial hygiene practice, where appropriate PPE and use local ventilation.
- 8.2 Exposure Controls:**
- 8.2.1 Appropriate engineering controls:** Use local exhaust ventilation if possible and practical. Ventilation should effectively remove and prevent buildup of any dusts generated from the handling of this product. Water suppression may be used to limit airborne dusts during application or use.
- 8.2.2 Individual protection methods:** Use good industrial hygiene practices in handling this material. Eye wash stations should be available. Wash exposed skin thoroughly with potable water and mild soap after use. If any irritation or redness is noted, treat symptomatically or consult a doctor immediately.

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Material Name: Sand, Gravel, Construction Aggregate, River Stone, River Pebbles

Wear gloves, safety glasses and protective clothing. Safety shoes (steel toe) should be worn when handling heavy materials that could be dropped on the feet. In case of eye contact with projectile debris or dust, flush with plenty of clean, potable water. Remove contact lenses if easy to do so. Seek medical attention immediately. Avoid dust inhalation and direct contact with skin and eyes. Wash contaminated skin before eating, drinking or smoking.

Eye/Face: Use appropriate eye protection: glasses with side shields or goggles.

Skin: Avoid contact by covering skin with protective clothing or protective suit. Wear leather heavyduty gloves when handling the product. Wear eye protection. Wash exposed skin thoroughly with potable water and mild soap.

Respiratory: If airborne concentrations exceed applicable exposure limits, use NIOSH- approved respiratory protection.

Section 9: Physical and Chemical Properties

Physical State:	Granular particles (¾-inch to 12-inch diameter).
Color:	Varying colors
Odor:	Odorless
Odor Threshold:	Not applicable
Melting Point:	Not applicable

Section 9: Physical and Chemical Properties

Freezing Point:	Not applicable
Initial Boiling Point:	Not applicable
Flammability (solid, gas):	Not applicable
Lower and Upper Explosion Limits/Flammability Limit:	Not applicable
Flash Point:	Non-flammable
Auto-Ignition Temperature:	Not applicable
Decomposition Temperature:	Not evaluated
pH:	Not-applicable
Kinematic Viscosity:	Not applicable
Solubility:	Non-soluble
Partition Coefficient:	Not applicable
Vapor Pressure	Not applicable
Density (and/or Relative Density):	Not evaluated
Relative Vapor Density:	Not applicable
Particle Characteristics:	Variable sizes (¾-inch to 12-inch diameter)

Section 10: Stability and Reactivity

10.1 Reactivity: May react with incompatible materials: fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.

10.2 Chemical stability: Stable

10.3 Possibility of hazardous reactions: Avoid incompatible materials such as powerful oxidizing agents like fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride they

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Material Name: Sand, Gravel, Construction Aggregate, River Stone, River Pebbles

may cause fire and/or explosions. Silica dissolves readily in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride. Avoid dust created by agitation. Calcium carbonate is incompatible with acids, alum, ammonium salts, mercury, hydrogen, fluorine, and magnesium.

10.4 Conditions to avoid: Avoid excessive handling which may generate dust concentration above permissible exposure limits.

10.5 Incompatible materials: Incompatible materials and possible hazardous reactions are detailed in Section 10.3.

10.6 Hazardous decomposition or byproducts: Highly improbable. Hazardous polymerization will not occur.

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Acute Exposure and Symptoms:

Inhalation: Dust may cause irritation of the respiratory tract. May cause allergic or asthma-like respiratory reactions.

Skin Contact: May cause irritation, cuts or abrasions. Dusts may be irritating.

Eye Contact: Particulates may cause cuts or abrasions when in contact with eyes. Dusts may cause severe irritation, abrasions, burns, redness, tissue destruction and permanent eye damage including blindness.

Ingestion: Expected to be virtually nontoxic. Ingestion of large amounts may cause gastrointestinal irritation, choking/, and blockage.

Section 11: Toxicological Information

Chronic Exposure:

Prolonged inhalation of dusts may cause damage to the respiratory tract. Repeated inhalation of high levels of dusts, especially respirable crystalline silica (quartz, cristobalite, tridymite) for periods as short as six months may cause acute silicosis, a rapidly progressive, incurable lung disease that may be fatal. Not all individuals with silicosis will exhibit symptoms (signs) of the disease. However, silicosis can be progressive, and symptoms can appear at any time, even years after exposure has ceased. Symptoms of silicosis may include, but are not limited to, the following: shortness of breath; difficulty breathing with or without exertion; coughing; diminished work capacity; diminished chest expansion; reduction of lung volume; right heart enlargement and/or failure. Smoking may increase the risk of developing lung disorders, including emphysema and lung cancer. Persons with silicosis have an increased risk of pulmonary tuberculosis.

Several studies of persons with silicosis also indicate an increased risk of developing lung cancer, a risk that increases with the duration of exposure. Many of these studies do not account for confounding variables for lung cancer, especially smoking.

Acute and Chronic Toxicity

Component Analysis: LD50/LC50 for exposure to particulate forms of the product's components.

Calcium Carbonate (1317-65-3): No data available

Silica, Quartz (Crystalline, Silica) (14808-60-7): LD₅₀ oral rat >500 mg/kg.

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Material Name: Sand, Gravel, Construction Aggregate, River Stone, River Pebbles

Section 14: Transport Information (non-mandatory)

US DOT Information

Not Regulated

IMDG

Not Regulated

IATA

Not Regulated

Section 15: Regulatory Information (non-mandatory)

15.1 Safety, health, and environmental regulation:

US Federal Regulations

General Product Information: All components are on the U.S. EPA TSCA Inventory List.

Component Analysis: Components of this product are not listed as hazardous under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312 Tier II Hazard Ratings: Crystalline Silica

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Reactivity Hazard	Sudden Release of Pressure
Yes	Yes	No	No	No

State Regulations

General Product Information: Other state regulations may apply. Check individual state requirements.

California Prop. 65 Components: WARNING! This product contains a chemical known to the State of California to cause Cancer: Crystalline Silica **Component Analysis – WHMISIDL:**

Component	EINECS/EC	CAS	Minimum Concentration
Silica, Quartz (Crystalline, Silica)	231-545-4	14808-60-7	1%

Additional Regulatory Information

General Product Information: No additional information available. **Component Analysis – Inventory:**

Section 15: Regulatory Information (non-mandatory)

Component	EINECS/EC	CAS	TSCA	CAN	EC
Calcium Carbonate	207-439-9	1317-65-3	Yes	DSL	EINECS
Amorphous Silica (fused)	231-545-4 ⁽¹⁾	7631-86-9	Yes	DSL	EINECS
Silica, Quartz (Crystalline, Silica)	231-545-4	14808-60-7	Yes	DSL	EINECS

1. EINECS/EC number for Amorphous silica is a general silica number.

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Material Name: Sand, Gravel, Construction Aggregate, River Stone, River Pebbles

Section 16: Other Information

Other Information

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

Key to Abbreviations and Acronyms:

ACGIH:	American Conference of Governmental Industrial Hygienists
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP:	Classification, Labelling, and Packaging
DNEL:	Derived no effect level
DSL:	Canada's Domestic Substances List
EC:	European Community
EEC:	European Economic Community
EINECS:	European Inventory of Existing Commercial Chemical Substances Environmental
EPA:	Protection Agency
EU:	European Union
GHS	Globally Harmonized System of classification and labelling of chemicals
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
ATA-DGR:	Dangerous Goods Regulations by the International Air Transport Association
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the International Civil Aviation Organization (ICAO)
IMDG:	International Maritime Code for Dangerous Goods
IP:	Inhalable Particles
LC50:	Lethal concentration in air fatal to 50 percent of test animals
LD50:	Lethal dose by mouth or other route to 50 percent of test animals
LDLo:	Lowest lethal dose
MPPCF:	Million Particles Per Cubic Foot
NIOSH:	National Institute for Occupational Safety and Health
NJTSR:	New Jersey Trade Secret Registry
NOEC:	No observed effects
NOS:	Not Otherwise Specified
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration (USA)
PNEC:	Predicted no effect concentration
PPM:	Parts per million
R:	Respirable Particles
RID:	Regulations Concerning the International Transport of Goods by Rail
STEL:	Short term exposure limit
T:	Total Dust

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Material Name: Sand, Gravel, Construction Aggregate, River Stone, River Pebbles

Section 16: Other Information

TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act
TWA: Time weighted average

This product should only be used by knowledgeable persons. While the information provided in this Safety Data Sheet is believed to provide a useful summary of the hazards, this product, as it is commonly used, cannot anticipate and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product. SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY Oldcastle® Lawn & Garden, Inc. except that the product shall conform to contracted specifications. The information provided herein is believed by Oldcastle® to be accurate at the time of preparation. This SDS is prepared from sources believed to be reliable; however, it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for non-delivery of product, and whether based on contract, breach of warranty, negligence, or otherwise shall be greater in amount than the purchase price of the quantity of product with respect to which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

**** This is the end of SDS – Construction/Manufacturing Aggregate ****



MATERIAL SAFETY DATA SHEET

Wood Mulch

Section I - PRODUCT IDENTIFICATION

PRODUCT NAME AND SYNONYMS: Cypress Mulch, Pine Mulch, Pine Bark Mulch, Pine Nuggets, Pine Bark Nuggets, Hardwood Mulch, Aromatic Cedar Mulch, Cedar Mulch.
(NOTE: These products may be packaged in a variety of house or private labels)

CAS NAME AND NO.: N/A
CHEMICAL FAMILY: N/A
CHEMICAL FORMULA: N/A
MANUFACTURER'S NAME & ADDRESS: Oldcastle APG
8500 South 620 Road
Miami, Ok 74354

EMERGENCY TELEPHONE NUMBER: (800) 414-0003

Section II - HAZARDOUS INGREDIENTS

COMPONENT	%(WT OR VOL)	ACCIH TWA	ACCIH STEL	OSHA PEL
	100%	N/A	N/A	N/A

Section III - PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Color varies with wood type, moisture content, age, and exposure to sun. It varies from light tan through black. It is composed of small pieces of wood varying in size from sawdust particles through pieces up to three to four inches in length.

MOLECULAR WEIGHT: N/A
BOILING POINT (DEGREES FAHRENHEIT): N/A
MELTING POINT (DEGREES FAHRENHEIT): N/A
VAPOR PRESSURE (MM OF MERCURY): N/A
SPECIFIC GRAVITY (WATER=1): N/A
VAPOR DENSITY (AIR=1): N/A
PERCENT VOLATILE (BY WEIGHT): N/A
pH: N/A
SOLUBILITY IN WATER: Insoluble
EVAPORATION RATE (BUTYL ACETATE=1): N/A

Section IV - FIRE AND EXPLOSION DATA

FLASH POINT: N/A

FIRE EXTINGUISHING MEDIA: Use water spray to wet down the mulch in the area of the flames and surrounding material to reduce the likelihood of spreading. Remove wet and burned material to open area after fire is out. Monitor area for at least 24 hours to insure fire does not restart.

FLAMMABLE LIMITS (PERCENT BY VOLUME): N/A

SPECIAL FIRE FIGHTING PROCEDURES & EQUIPMENT: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

Section V - REACTIVE DATA

STABILITY: Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal-oxidative degradation of wood produces irritating and toxic fumes and gases, including CO, aldehydes and organic acids.

HAZARDOUS POLYMERIZATION: Will not occur

Section VI - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE: Repeated and prolonged exposures to certain wood products can produce allergic responses in a few sensitive individuals. Avoid repeated and prolonged contact with the skin, which can cause allergic responses. If allergy, such as dermatitis, asthma, or bronchitis develops, it may be necessary to remove the sensitized worker from further exposure to the product.

PROBABLE ROUTES OF EXPOSURE: Skin contact

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION: N/A

INHALATION: Remove to fresh air. If persistent irritation, severe coughing, breathing difficulties, or rash occur, get medical advice before returning to work with the product.

EYE CONTACT: Flush with water to remove particles from the eye. If irritation persists, get medical attention.

SKIN CONTACT: If a rash or persistent irritation or dermatitis occur, get medical advice before returning to work with the product.

Section VII - TOXICITY DATA

ORAL: N/A

DERMAL: The chronic effect of skin contact are not fully known and may vary from one individual to another.

INHALATION: N/A

CARCINOGENICITY: Not listed as a carcinogen by IARC, NTP, ACGIH or OSHA

OTHER PERTINENT DATA: N/A

Section VIII - SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT

PROTECTIVE GLOVES: Recommended for sensitive individuals

EYE PROTECTION: Safety glasses

RESPIRATORY PROTECTION: Approved dust respirator in dusty conditions

OTHER PROTECTIVE EQUIPMENT: Recommend the use of clean body covering work clothing to reduce exposure to skin.

VENTILATION

LOCAL EXHAUST: To meet TLV requirements

MECHANICAL: N/A

SPECIAL: N/A

OTHER: N/A

Section IX - SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up or vacuum up spills for recovery or disposal, avoiding dusty conditions. Provide good ventilation. Place recovered wood dust in a covered metal container for disposal.

WASTE DISPOSAL METHODS: Dispose in a landfill or incinerate.

CLEAN WATER ACT REQUIREMENTS: N/A

RESOURCE CONSERVATION AND RECOVERY ACT (RCMA) REQ.: N/A

Section X - REGULATORY INFORMATION

FDA: N/A

USDA: USDA self-certification (9 CFR 317.20); is FDA approved

CPSC: N/A

TSCA: Not listed in TSCA inventory

DOT: PROPER SHIPPING NAME: Wood Mulch

HAZARDOUS CLASS: ORM-C

LABEL REQUIRED: None

IDENTIFICATION NUMBER: None

OTHER PERTINENT INFORMATION: Keep clean, dry & free from oil.

Section XI - SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid hot, humid storage with no air circulation or contact with drying oils. Follow good housekeeping practices, clean up areas where mulch accumulates to avoid excessive accumulation of this combustible material. Follow good hygienic practices. wash frequently and wear clean work clothing.

OTHER PRECAUTIONS: N/A

REGISTRATIONS/CERTIFICATIONS: N/A

EFFECTIVE DATE: 05/01/89 SUPERSEDES: N/A

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