

SECTION 1. IDENTIFICATION

Product Name:

SAKATA SOLUTIONS COMPRESSED MIXES

SAKATA SOLUTIONS PREMIUM ALL PURPOSE (AP)
 SAKATA SOLUTIONS PREMIUM ULTIMATE POROSITY (UP)
 SAKATA SOLUTIONS PREMIUM PLUG AND GERMINATION (PG)
 SAKATA SOLUTIONS PREMIUM ALL PURPOSE NO FERTILITY (AP- NF)
 SAKATA SOLUTIONS PREMIUM ULTIMATE POROSITY NO FERTILITY (UP-NF)
 SAKATA SOLUTIONS PREMIUM PLUG AND GERMINATION NO FERTILITY (PG-NF)
 SAKATA SOLUTIONS PREMIUM ALL PURPOSE ORGANIC (AP-O)
 SAKATA SOLUTIONS PREMIUM ULTIMATE POROSITY ORGANIC (UP-O)
 SAKATA SOLUTIONS PREMIUM PLUG AND GERMINATION ORGANIC (PG-O)
 SAKATA SOLUTIONS PREMIUM MEDIUM COARSE CONTAINER
 SAKATA SOLUTIONS PREMIUM COARSE CONTAINER
 SAKATA SOLUTIONS PREMIUM ANTHIRIUM SUBSTRATE
 SAKATA SOLUTIONS PREMIUM BROMELIAD SUBSTRATE
 SAKATA SOLUTIONS PREMIUM FORESTRY SEEDLING SUBSTRATE
 SAKATA SOLUTIONS PREMIUM BLUEBERRY PROPAGATION SUBSTRATE
 SAKATA SOLUTIONS PREMIUM BLUEBERRY PRODUCTION SUBSTRATE
 SAKATA SOLUTIONS PREMIUM HEMP PRODUCTION SUBSTRATE
 SAKATA SOLUTIONS PREMIUM HEMP PROPAGATION SUBSTRATE

SAKATA SOLUTIONS PEAT MOSS

SAKATA SOLUTIONS PEAT MOSS - SUPER FINE
 SAKATA SOLUTIONS PEAT MOSS - FINE
 SAKATA SOLUTIONS PEAT MOSS - MEDIUM
 SAKATA SOLUTIONS PEAT MOSS - MEDIUM COARSE
 SAKATA SOLUTIONS PEAT MOSS - COARSE
 SAKATA SOLUTIONS PEAT MOSS - GROWER GRADE
 SAKATA SOLUTIONS PEAT MOSS - SELECT GRADE

Recommended Use:

End-use horticulture

Restriction on Use:

None

Manufacturer/Supplier:

Sakata Seed America, Inc.
 18095 Serene Drive
 Morgan Hill, CA 95037 USA

For more information go to:

www.sakatasolutions.com
 (408) 778-7758

Emergency Phone Number:

24-Hour Emergency Phone Number: (408) 778-7758

SECTION 2. HAZARDS IDENTIFICATION

Classification

According to: OSHA 29 CFR 1910.1200 HCS (United States)
 According to: WHMIS 2015 (Canada)
 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).

Hazard Pictogram(s):

None

Signal Word

None - WHMIS 2015 Not Classified

Hazard Statement(s)

None - OSHA HCS 2012 Not Classified

Precautionary Statement(s)

Other Hazards

Nuisance Dust
 Long term exposure to crystalline silica can cause lung injury (silicosis). Risk of injury is dependent on the duration and level of exposure. However, product water content renders significant exposure unlikely under typical use conditions.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
Sphagnum Peat Moss	---	40 - 100%
Perlite	93763-70-3	5 - 35%
Comments: Perlite may contain less than 1% Quartz (CAS # 14808-60-7)		
Concentrations are expressed in % volume/volume		

SECTION 4. FIRST-AID MEASURES

Inhalation	If inhaled, breathe fresh air.
Skin Contact	Non-irritant. If skin irritation occurs, seek medical attention or advice.
Eye Contact	Rinse with water for several minutes. Remove contact lenses if present. Continue rinsing. If eye irritation persists, call a poison control center, an Emergency Medical Center or Doctor.
Ingestion	If swallowed, rinse mouth and drink plenty of water. Call 911, a Poison Control Center, Emergency Medical Center or Doctor.
Most Important Symptoms and Effects, Acute and Delayed	None Known
Immediate Medical Attention and Special Treatment	Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media	
Suitable Extinguishing Media	Water.
Unsuitable Extinguishing Media	None
Specific Hazards Arising from the product	None are known.
Special Protective Safety Equipment and Precautions for Fire-Fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA). Do not inhale combustion gases.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	
Personal Precautions:	Ensure adequate ventilation.
Emergency Procedures:	No special emergency procedures required
Environmental Precautions:	No special environmental precautions required
Methods and Material for Containment and Cleaning Up:	
Use methods to clean spill which avoid creating airborne dust. Avoid breathing dust by using adequate ventilation and/or OSHA or MSHA approved respirator for nuisance dust of this type.	

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling:	Avoid creating excessive dust during handling. Avoid breathing dust by using adequate ventilation and/or NIOSH or MSHA approved respirator for nuisance dust of this type.
Conditions for Safe Storage:	No special storage requirements.
Incompatibilities:	None known

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Occupational Exposure Limits Values				
NAME	OSHA PEL		ACGIH TLV	
	Respirable Dust	Total Dust	Respirable Particules	Inhalable Particules
Peat moss	5 mg/m ³	15 mg/m ³	3 mg/m ³	10 mg/m ³
Crystalline silica	10 mg/m ³	15 mg/m ³	0.025 mg/m ³	Not available

Appropriate Engineering Controls:	Use exhaust ventilation to keep airborne concentrations below exposure limits.
Individual Protection Measures	
Eye/Face Protection:	Wear safety goggles is recommended
Skin Protection:	No specific requirement
Respiratory Protection:	Wear respiratory protection, where airborne concentrations are expected to exceed exposure limits.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blond to light brown fiber
Odor	Earthy odor
Odor Threshold	Not applicable
pH	4.5-6.5
Melting Point/Freezing Point	No data available
Boiling Point	No data available
Flash Point	Not applicable
Evaporation Rate	No data available
Flammability (solid, gas)	Flammable
Upper/Lower Explosive Limit	Not applicable
Vapour Pressure	Not applicable
Vapour Density (air=1)	Not applicable
Relative Density (water=1)	1.5
Solubility	No data available
Partition Coefficient,	No data available
n-Octanol/Water (Log Kow)	No data available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	No data available
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	None known
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will Not Occur
Conditions to Avoid	Dust generation, open flames
Incompatible Materials	None
Hazardous Decomposition Products	None known

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

√ Inhalation

√ Skin contact

√ Eye contact √ Ingestion

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.

Acute Toxicity:

LC50 (Inhalation) (4h/rats): There is no data available

LD50 (oral): There is no data available

LD50 (dermal): There is no data available

Skin Corrosion/Irritation: There is no data available

Serious Eye Damage/Irritation: There is no data available

Respiratory and/or Skin Sensitization: There is no data available

STOT (Specific Target Organ Toxicity)

Single Exposure: There is no data available

Repeated Exposure: There is no data available

Carcinogenicity: There is no data available

Reproductive Toxicity

Development of Offspring: There is no data available

Sexual Function and Fertility: There is no data available

Effects on or Via Lactation: There is no data available

Germ Cell Mutagenicity: There is no data available

Additional Information: There is no data available

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:	No known significant effects or critical hazards
Persistence and Degradability:	Inherently biodegradable.
Bioaccumulation Potential:	No known significant effects or critical hazards.
Mobility in Soil:	No known significant effects or critical hazards.
Genetic effects:	This product does not contain ingredients classified as germ cell mutagens.
Bacterial (Ames Test):	Negative
Chromosomal aberrations:	Negative
Mutations in Mammalian Cells:	Negative
Reproduction Toxicity:	No data available OECD Guideline 422. Based on available data, the criteria is not met
Specific Target Organ Toxicity:	The product does not contain relevant ingredients classified as
Other Adverse Effects:	No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

The waste of this product is not defined as hazardous. Dispose of all waste in accordance with the regulations of the environmental authority having jurisdiction.

SECTION 14. TRANSPORTATION INFORMATION

US DOT (49CFR part 172)

Not regulated under US Department of Transportation (DOT) Regulations.

UN No.	Not regulated
UN Proper Shipping Name	Not applicable
Hazard Class	Not applicable
Packing Group	Not applicable
Special Marking	No
Special Provisions	No

Not regulated under Canadian Transportation of Dangerous Goods (TDG) regulations.

Not regulated under International Maritime Dangerous Goods (IMDG) Regulations.

Not regulated under International Air Dangerous Goods (ICAO-TI / IATA-DGR) Regulations.

International Maritime Organization (IMDG Code)

UN No.	Not regulated
UN Proper Shipping Name	Not applicable
Hazard Class	Not applicable
Packing Group	Not applicable
Special Marking	No
Special Provisions	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
Special Marking	No
Special Provisions	No

Environmental Hazards: None

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Special precautions for Transport: None

SECTION 15. REGULATORY INFORMATION

This product has been classified and the SDS has been developed according to the Hazardous Products Regulation.

United States Federal Code

EPCRA - SARA Title III Classification

Section 302 Extremely Hazardous Substances: Not applicable

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

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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

These products do not contain any chemicals known to the State of California to cause cancer, birth defects.

Chemical Inventories

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

Canada

Canadian Environmental Protection Act (CEPA)

All constituents of these products are on the Domestic Substance List (DSL).

Section 311/312 Hazard Classes: Not applicable

Section 313 Toxic Chemicals: Not applicable

CERCLA Regulatory

Not applicable

RCRA Hazardous Waste Classification (40 CFR 261)

Not applicable

Toxic Substances Control Act (TSCA)

All ingredients are either listed on the TSCA Inventory or are exempt from listing

SECTION 16. OTHER INFORMATION

Additional Information:

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

The information above is accurate to the best of our knowledge as at the date of preparation of the SDS. However, such information is not to be interpreted as representing a warranty or guarantee as to its accuracy or completeness. No warranty of any kind is given or implied under the terms hereof, and SAKATA SEED AMERICA, INC., will not be liable for any damages, losses, injuries or consequential damages which may result, directly and/or indirectly, from the uses or reliance on any information contained. The users must do their own research as for the pertinence of the information for specific use. For more information:

www.sakatasolutions.com

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Glossary of abbreviations
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service (Registration number)
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
DOT: Department of Transportation
GHS: Globally Harmonized System
IBC: International Bulk Container
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
RCRA: Resource Conservation and Recovery Act
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
TLV: Threshold Limit Value
TDG: Transportation of Dangerous Goods