

SAFETY DATA SHEET (SDS)

Section 1: Product Identification:

Product Name: Smart Pot/ Root Control Bag
Product Description: Fabric Aeration Container Products Use Description: Multiple end uses in multiple industries.
Manufacturer's Name: High Caliper Growing
7000 N. Robinson
Oklahoma City, OK 73116
Phone: (405) 842-7700
Fax: (405) 842-7706

**BPA &
LEAD
FREE**

Section 2: Hazard(s) Identification:

No hazardous components in nonwoven fabrics at or above threshold limit values.

A. Bisphenol-A (BPA) - No BPA detected

a. As tested by Consumer Testing Laboratories, INC on October 10, 2013 using High Performance Liquid Chromatography - Mass Spectrometry (HPLC-MS) after solvent dissolution/Extraction

B. Lead Content of Non-Metallic Substrates - No Lead detected

a. As tested by Consumer Testing Laboratories, INC on October 10, 2013 with reference to US Consumer Product Safety Commission method CPSC-CH-E1002-08.1

C. Phthalate Free

a. Fabric is a phthalate-free geotextile, recycling code 5 material.

Section 3: Composition/Information on Ingredients:

Geotextile fabric 99.99%
Misc. (not declared) 0.01%

Section 4: First Aid Measures:

Inhalation: At room temperature (20-25C) there is no release of fumes from the fabric. However, during combustion or super heating of the fabric, the fabric can become an irritant due to formation of aldehydes.

Skin Contact: No significant health hazards identified. Carbon Black and/or spin finish may cause minor skin irritation. Treat as thermal burn if contact with molten fabric.

Eye Contact: Flush with water

Indigestion: No significant health hazards identified.

Section 5: Fire-fighting Measures:

Suitable extinguishing media: Dry Chemical, CO(2), Foam, Water, Halon

Specific hazards during fire-fighting:

Avoid Inhalation of vapors.
Treat as a solid that can burn. Generally burns slowly with low smoke density and flaming drips

Special protective equipment for fire fighters:

Use self-contained breathing apparatus when fire fighting in confined areas.

Further Information:

Flash Point: > 600 degrees (F*)

Section 6: Accidental Release Measures:

Material is stable. Hazardous polymerization will not occur.

Section 7: Handling and Storage:

Precautions for safe handling:

Practice reasonable care and caution in handling

Conditions for safe storage, including incompatibilities:

Waste Disposal: Place in appropriate disposal facility in compliance with local regulation.

Storage: In cool, dry locations away from oxidizing materials.

Section 8: Exposure Controls/Person Protection:

Engineering measures:

Inhalation: At room temperature (20-25C) there is no release of fumes from the fabric. However, during combustion or super heating of the fabric, the fabric can become an irritant due to formation of aldehydes.

Eye protection:

Safety glasses or goggles recommended during regrind operations.

Hand protection:

Protective Gloves: Required when handling molten product.

Skin and body protection:

Skin Contact: No significant health hazards identified. Carbon Black and/or spin finish may cause minor skin irritation.

Respiratory protection:

No significant health hazards identified.

Work/Hygiene practices:

Practice general hygiene by washing hands and clothes after handling.

Section 9: Physical and Chemical Properties:

- Flash Point: > 600 degrees (F*)
- Boiling Point: Not Applicable
- Vapor Pressure: Not Applicable
- Specific Gravity: 0.9-0.905
- Melting Point: 120-170 degrees (C*)
- Vapor Density: Not Applicable
- Evaporation Rate: Not Applicable
- Solubility in Water: Not Applicable
- Appearance and Odor: Essentially odorless

Section 10: Stability and Reactivity:

Material is stable. Hazardous polymerization will not occur.

Section 11: Toxicological Information:

Carbon Black and/or spin finish may cause minor skin irritation.

Carcinogen: Carbon Black has been evaluated by the IARC as a possibly carcinogenic to humans (Group 2b) based on "sufficient evidence" in animals and "inadequate evidence" in humans. The ACGIH classifies carbon black as A4-Not classified as Human Carcinogen. Carbon Black is a California Proposition 65 listed substance if three qualifiers are met (airborne, unbound-not bound within a matrix, and respirable size-10 micrometers or less in diameter).

This product does not exhibit carbon black in any of these qualifying conditions.

Section 12: Ecological Information:

No hazardous conditions to the environment.

Section 13: Disposal Considerations:

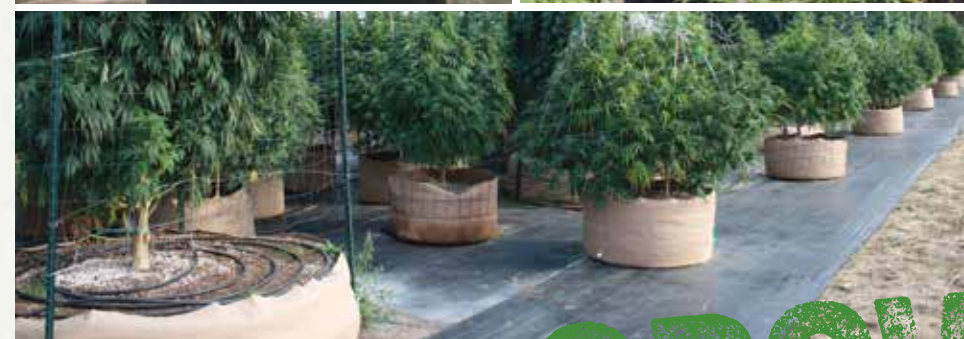
Disposal of product in accordance with federal, state and local requirements.

Section 14: Transport Information:

No special hazard or other transportation method is required.

Section 15: Regulatory Information:

No Specified regulatory requirements.



A GROWING REVOLUTION™

HEMP & CANNABIS CATALOG



Smart Pot's patented fabric containers promote a denser root mass than typical plastic containers.



Smart Pot understands that your success is measured by the size and quality of your yield.



Smart Pots are designed to increase yields and to promote overall plant health by **Air Pruning** the root zone. Our technology helps improve water and nutrient absorption, while creating a dynamic breathable environment for root growth. As the tip of the primary feeder root reaches the Smart Pot's fabric, air and light dehydrate the root tip, ending its downward growth. This sends a signal to the rest of the root to grow secondary and expansive, fine feeder roots. This process promotes a denser, healthier, more fibrous root zone and prevents from root circling/rot. When the root zone is fully optimized, maximum yields will be the result!

Our proprietary fabric is BPA and lead free, provides maximized drainage, hinders the loss of soil and nutrients, and is extremely durable. Smart Pot products will not rip, fray, or fall apart, and are meant to be use repeatedly. The durability of our pots is designed to last for many years, through extreme growing conditions, indoors or outdoors. Our pots generally last for 5+ years, although many customers have been using the same Smart Pots for 10 years or more. An investment in Smart Pots maximizes your profit and easily pays for itself through the life of the pot.

Our award-winning products have been preferred by professional growers for more than 30 years and we are 100% **made in the U.S.A.**



@thenakedgrower





Smart Pot professionals use the best trellising designs when growing large plants.

Smart Pots have heavy-duty reinforced seams and straps that are stronger than any other fabric pots when put to the test. We use virgin input materials, as opposed to recycled materials which may be contaminated with heavy metals or other undesirable content. Many fabric pots from overseas end up contaminating the end product, which when tested can be a huge financial loss.

A Smart Pot provides roots with a continual exchange of oxygen that can circulate freely through our porous fabric. Through the process of evaporative cooling, the Smart Pot will be 20-30 degrees cooler than a plastic pot in direct sunlight. Our pots protect against heat stress which will lead to negative affect on yields and overall plant health. This is especially true for outdoor growers who are impacted significantly by their growing environment. Soil temperatures warm up faster in a Smart Pot and prevent roots from not developing properly in cold soil settings. In the early months of the growing season, the faster your soil warms in the sun, the faster and better root development will become. Smart Pots cater to your environmental factors and help to develop larger plants by the start of flowering. The better the roots, better the fruits!

In addition, beneficial microbes and fungi thrive in Smart Pots. When growing organically, keeping your soil-food web healthy is crucial to ensure that the microbial life continues to colonize and break-down available nutrients in the soil. These microbes, like roots, need oxygen, and our pots will provide the best oxygen exchange to the root zone.



@heavyweightheads





Smart Pot containers and tray liners can be *custom-fitted* to your growing needs.

We can fabricate any custom-sized pot, raised bed, liner, flood tray and rolling bench system. Our liners are designed to grow vigorous plants to maximize your available canopy and rootzone space. Smart Pot fabric dramatically filters out any particulates in the growing media. This protects our environment and runoff waste drains from clogging. Our liners help to increase soil saturation more evenly throughout the growing media by capillary action. This process helps to eliminate dry spots in your soil and keeps your roots growing optimally in all directions.

For custom product requests, please contact your distributor or Smart Pots at www.SmartPots.com.





Smart Pot Transplanters are constructed for multiple growing cycles.



Proudly manufactured in Oklahoma City under strict quality control.

For over 30 years, Smart Pot has pioneered a growing revolution.

In 1980, Ralph Reiger stitched up the first fabric containers ever used in horticulture for his tree farming business. After years of tree farming success, Kurt Reiger joined his father and developed the above-ground bag that became the Smart Pot container that is so popular today.

Smart Pot continues to create well-designed, functional fabric containers for every growing need. No BPA, lead or greater than trace levels of copper or other heavy metals. Our award-winning innovations and industry awards are backed by 9-patents from the US Patent Office.

Smart Pot Transplanters deliver the fastest vegetation growth and develop proper root structure from day one. The overlapping fabric slit makes it efficiently productive and simple to transplant your plants. They are just as easy as any other Smart Pot to sterilize and re-use, our transplant sizes are available in 1, 2, 3, and 5 gal sizes.

Mother plants grown in Smart Pots will produce more vegetation (available cuttings) than a traditional plastic pot, and increase the longevity of the mother even more so after pruning her.

PVC Ready Raised Beds are designed to maximize your canopy space, and can be outfitted with support poles for trellising, if desired. Available in 2'x4', 4'x4' and 4'x8' sizes.



Smart Pot PVC Ready Raised Beds are designed to maximize your canopy space.



For over 30 years, we have pioneered a growing revolution.

SMART POT PRO - ABOVE - GROUND CONTAINERS BLACK
(Full-case orders only)

Item #	Pot Dimensions	Liquid Gallons	Case Quantity	Case Dimension	Case Weight	Cases per Palet
PRO1	7 x 6	1	900	22 x 26 x 30	65	8
PRO2	8 x 7	1.5	600	22 x 26 x 30	57	8
PRO3	10 x 7.5	2.5	400	22 x 26 x 30	58	8
PRO3H <i>cut handles</i>	10 x 7.5	2.5	400	22 x 26 x 30	64	8
PRO5	12 x 9.5	4.7	250	22 x 26 x 30	52	8
PRO5H <i>cut handles</i>	12 x 9.5	4.7	250	22 x 26 x 30	55	8
PRO7	14 x 9.5	6.3	200	22 x 26 x 30	51	8
PRO7H <i>cut handles</i>	14 x 9.5	6.3	200	22 x 26 x 30	54	8
PRO10	16 x 11.5	10	150	22 x 26 x 30	52	8
PRO10H <i>cut handles</i>	16 x 11.5	10	150	22 x 26 x 30	53	8
PRO15	18 x 13.5	14.9	75	22 x 26 x 30	48	8
PRO15H <i>strap handles</i>	18 x 13.5	14.9	75	22 x 26 x 30	50	8
PRO20	20 x 15.5	21.1	75	22 x 26 x 30	53	8
PRO20H <i>strap handles</i>	20 x 15.5	21.1	75	22 x 26 x 30	55	8
PRO25	21 x 15.5	23.2	60	22 x 26 x 30	51	8
PRO25H <i>strap handles</i>	21 x 15.5	23.2	60	22 x 26 x 30	54	8
PRO30	24 x 15.5	30.4	60	22 x 26 x 30	55	8
PRO30H <i>strap handles</i>	24 x 15.5	30.4	60	22 x 26 x 30	55	8
PRO45	27 x 18.4	44.6	50	22 x 26 x 30	58	8
PRO45H <i>strap handles</i>	27 x 18	44.6	50	22 x 26 x 30	60	8
PRO65	32 x 18	62.7	50	22 x 26 x 30	66	8
PRO100	38 x 20	98.2	35	22 x 26 x 30	63	8
PRO150	45 x 22	151.5	20	22 x 26 x 30	50	8
PRO200	50 x 24	204	20	22 x 26 x 30	58	8
PRO300	60 x 24	293.8	15	22 x 26 x 30	54	8
PRO400	70 x 24	399.8	10	22 x 26 x 30	47	8

PRO_16X72X16

PRO_16X96X16

PRO_16X144X16

PRO1_T *transplanter*

1

PRO2_T *transplanter*

2

PRO3_T *transplanter*

3

PRO5_T *transplanter*

5



SMART POT PRO - ABOVE - GROUND CONTAINERS NATURAL
(Full-case orders only)

Item #	Pot Dimensions	Liquid Gallons	Case Quantity	Case Dimension	Case Weight	Cases per Palet
PRO_TAN_1	7 x 6	1	900	22 x 26 x 30	65	8
PRO_TAN_2	8 x 7	1.5	600	22 x 26 x 30	57	8
PRO_TAN_3	10 x 7.5	2.5	400	22 x 26 x 30	58	8
PRO_TAN_3H <i>cut handles</i>	10 x 7.5	2.5	400	22 x 26 x 30	64	8
PRO_TAN_5	12 x 9.5	4.7	250	22 x 26 x 30	52	8
PRO_TAN_5H <i>cut handles</i>	12 x 9.5	4.7	250	22 x 26 x 30	55	8
PRO_TAN_7	14 x 9.5	6.3	200	22 x 26 x 30	51	8
PRO_TAN_7H <i>cut handles</i>	14 x 9.5	6.3	200	22 x 26 x 30	54	8
PRO_TAN_10	16 x 11.5	10	150	22 x 26 x 30	52	8
PRO_TAN_10H <i>cut handles</i>	16 x 11.5	10	150	22 x 26 x 30	53	8
PRO_TAN_15	18 x 13.5	14.9	75	22 x 26 x 30	48	8
PRO_TAN_15H <i>strap handles</i>	18 x 13.5	14.9	75	22 x 26 x 30	50	8
PRO_TAN_20	20 x 15.5	21.1	75	22 x 26 x 30	53	8
PRO_TAN_20H <i>strap handles</i>	20 x 15.5	21.1	75	22 x 26 x 30	55	8
PRO_TAN_25	21 x 15.5	23.2	60	22 x 26 x 30	51	8
PRO_TAN_25H <i>strap handles</i>	21 x 15.5	23.2	60	22 x 26 x 30	54	8
PRO_TAN_30	24 x 15.5	30.4	60	22 x 26 x 30	55	8
PRO_TAN_30H <i>strap handles</i>	24 x 15.5	30.4	60	22 x 26 x 30	55	8
PRO_TAN_45	27 x 18	44.6	50	22 x 26 x 30	58	8
PRO_TAN_45H <i>strap handles</i>	27 x 18	44.6	50	22 x 26 x 30	60	8
PRO_TAN_65	32 x 18	62.7	50	22 x 26 x 30	66	8
PRO_TAN_100	38 x 20	98.2	35	22 x 26 x 30	63	8
PRO_TAN_150	45 x 22	151.5	20	22 x 26 x 30	50	8
PRO_TAN_200	50 x 24	204	20	22 x 26 x 30	58	8
PRO_TAN_300	60 x 24	293.8	15	22 x 26 x 30	54	8
PRO_TAN_400	70 x 24	399.8	10	22 x 26 x 30	47	8

SMART POT NATURAL PVC READY RAISED BED LINER

PRO PVC Ready-2x4	24 X 48 X 18	116	4	15x16x25	11	24
PRO PVC Ready-4x4	48 X 48 X 18	229	4	15x16x25	12	24
PRO PVC Ready-4x8	48 X 96 X 18	455	4	15x16x25	17	24

