



SPICE

Herbal Incense Awareness

**NOTE: THIS INFORMATION IS
NOT INTENDED FOR UNIT
LEVEL TRAINING**





Disclaimer



- This presentation is meant to provide basic awareness information on herbal incense products, not to provide a threat assessment for any particular area
- There are numerous products being smoked for cannabis-like effects
- Manufacturers constantly change product ingredients and market products under new names
- Constant moving target
- Product names and lists, as well as the list of synthetic cannabinoids, in this presentation are not all inclusive
- Leadership must be engaged and be aware of local threats through the use of local Disciplinary Advisory Councils



Herbal Incense

- Mix of herbs, synthetic cannabinoids, and/or other ingredients that are intended to be used as aromatic incense (potpourri) or sometimes burning incense
- Not “intended” for smoking
- As governments/countries ban certain synthetic cannabinoids, manufacturers will substitute with another legal one or stop producing one product and introduce another



Herbal Incense



- There are many products currently available
- Spice is only one product line
- “Spice” has been used to refer to herbal incense products
- Many of the products share very similar ingredients and characteristics



What is Spice?



- Product line marketed as aromatic or herbal incense
- Sold in Europe since 2006, possibly as early as 2004
- “Not for human consumption”
- Keeps spice out of purview of FDA
- All ingredients don’t have to be listed
- Already a significant problem in the European Union (EU)
- Spice (and/or synthetic cannabinoid ingredients) banned in or being considered for ban in much of EU and Japan

What is P.E.P Spice?

The Ingredients of P.E.P Pourri...

*Damiana, Wild Lettuce, Skullcap, Motherwort, Red Clover, Marshmallow,
Blue Lotus, Baybean, Pink Lotus, Dwarf Skullcap, Indian Warrior, Lion's Tail
Maconha Brava, White Lotus, Siberian Motherwort, Vanilla & Honey*

Natural Herbal Incense Offers Pleasing Aromas

*Enjoyment Peace of Mind Calmness
Stress Relief Relaxation Awareness*

*** LIMITED AVAILABILITY & QUANTITIES ***

P.E.P Spice is a pleasing alternative to many other well-known herbal incense blends.

It is available in 4 great essences and gives off a powerful fragrance when burnt.

PEP POURRI IS A TOP VOTED HERBAL INCENSE PRODUCT FOR 2010

Made of 100% Natural & Legal Herbal Ingredients

Enjoy the 4 Assorted Scents

SPEARMINT

VANILLA

BLUEBERRY

STRAWBERRY



PEPSPICESHOP.COM



Spice Products



- Spice
- Spice Gold
- Spice Diamond
- Spice Tropical Synergy
- Spice Arctic Synergy
- Spice Gold Spirit
- PEP Spice







HOME

PRODUCTS

ABOUT US

CONTACT

CHECKOUT

We will not ship to Kansas, Missouri, or any Military Bases or Ships. Thank you!

We accept the following cards:

Welcome **PEPSPICE** to the... **SHOP.com**



p.e.p spice

An exotic herbal blend
of plant & aromatic extracts.

Ingredients:

- Damiana, Wild Lettuce, Skullcap,
- Motherwort, Red Clover, Marshmallow,
- Blue Lotus, Baybean, Pink Lotus,
- Dwarf Skullcap, Indian Warrior, Lion's Tail,
- Maconha Brava, White Lotus,
- Siberian Motherwort,
- Vanilla & Honey.

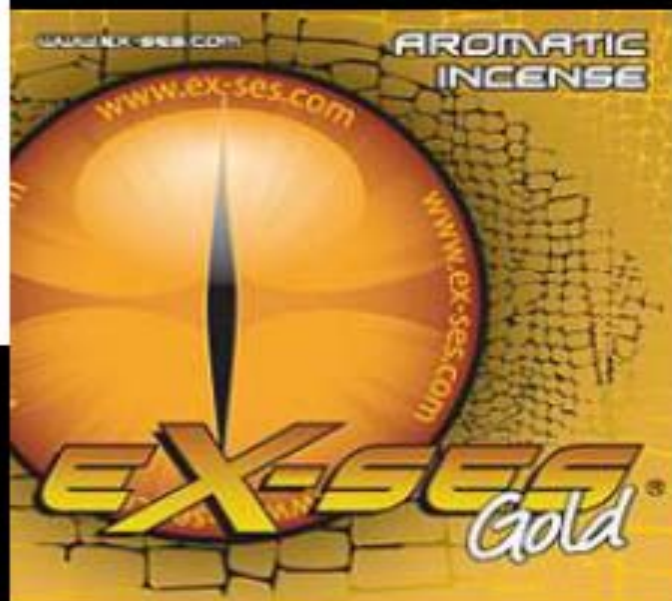
Average weight: 1g



Other Herbal Incense Products



- Genie
- Ex-ses
- Spark
- Fusion
- MANY others!
- Spike 99
- Blaze
- Yucatan
- Fire
- Dream







Herbal Incense Ingredients



- One or more synthetic cannabinoid compounds
 - Primarily used in researching the effects of $\Delta 9$ THC

- Other legal substances
 - Potentiate or add to effects
 - Create different effects between products
 - Many have psychoactive effects on their own
 - Some used as marijuana substitutes in the past
 - Users report cannabis-like effects



Synthetic Cannabinoids

- HU-210
 - Various studies show it is anywhere from 66-800 times more potent than Δ^9 THC
 - Schedule I under CSA: Illegal in U.S.
- HU-211
 - Studies tentatively show no Δ^9 THC-like effects
 - Used to research treatment of brain damage related to stroke, brain trauma, glaucoma, and multiple sclerosis
- HU-311
 - Has potent antineoplastic and antiproliferative activity (cancer fighting drug)



Synthetic Cannabinoids



- CP 47,497 and analogues
 - 3 to 28 times more potent than Δ^9 THC
- CP 55,940
 - 45 times more potent than Δ^9 THC
- JWH-015
- JWH-018
- JWH-073
- WIN 55,212-2
 - Used to research treatment for Alzheimer's
 - Effects milder and don't last as long as Δ^9 THC



Other Herbal Incense Ingredients

(Not all inclusive)



- Marsh Mallow
- Red Clover
- Rose
- Vanilla and Honey
- Fly Agaric
- Siberian Motherwort
- Damiana
- Stevia Leaf
- Lemon Grass
- Turnera diffusa
- Pink Lotus
- Baybean
- Blue Lotus
- Lion's Tail
- Lousewort
- Indian Warrior
- Dwarf Scullcap
- Maconha Brava
- Indian Pennyworth
- Clove
- Hops
- Tribulus Terrestris

Many other legal herbs and herbal extracts are used to enhance aroma, potency



Why Do People Use It?



- Herbal incense products are smoked for marijuana like effects
- Legal substitute to marijuana
- Other reasons: increase creativity, reduce stress, experience euphoria, increase personal insight, and increase appreciation for the arts
- There are numerous blogs and websites that provide users the opportunity to share experiences and information



Effects

- Marijuana-like effects: euphoria, giddiness, silliness, bloodshot eyes, impaired short-term memory and concentration, and “munchies.”
- Other common effects: cotton mouth, light sensitivity, a warm sensation in the limbs, dry eyes, paranoia, light headedness, auditory and visual hallucinations, painless head pressure, time distortion, panic attacks, delirium, impaired coordination, and sleeplessness
- Onset/duration: 5-10 minutes/8-12 hours



Effects



- A number of users experience hangover-like effects the morning after use including dry mouth, intense headaches
- Others warn users against driving while under the influence of spice
- Depending on the product, inhaled smoke is as harsh as marijuana smoke
 - Taste can vary from a very bad to very sweet taste
 - One user described the taste as “sickly sweet”



Dangers



- No longitudinal study on long-term effects
- One study from Dresden, Germany supported the suggestion that spice gold is strongly addictive and continued, heavy usage could result in withdrawal/dependency symptoms
- Others: Spice may have adverse effects on the heart, circulation, and the nervous system, and in some cases could cause panic attacks and is potentially addictive



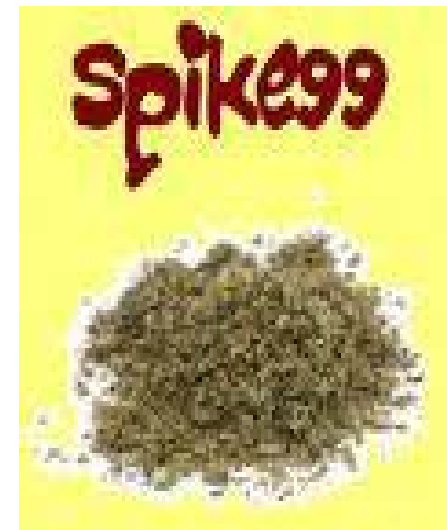
Dangers

- Spice website: Spice Diamond 50% more potent than Spice Gold
 - Advertising stronger products
- Users are experimenting with combining different products, which can dramatically change or increase the effects
- The effects of many of the synthetic cannabinoids used have not been studied



Appearance

- Most herbal incenses appear as an olive green leafy material very similar in appearance to marijuana, oregano





Microgram Bulletin MARCH 2009 - - INTELLIGENCE ALERT - “SPICE” - PLANT MATERIAL(S) LACED WITH SYNTHETIC CANNABINOIDS OR CANNABINOID MIMICKING COMPOUNDS



The Customs and Border Protection (CBP) – Chicago Laboratory (Illinois) recently received five small, resealable, bright foil packets containing dull olive-colored plant material(s), labeled as “Spice Gold,” “Spice Silver,” “Spice Diamond,” “Genie,” and “Yucatan Fire” incense, all reputedly laced with various synthetic cannabinoids or synthetic cannabinoid mimicking compounds, notably “HU-210” [(6a*R*, 10a*R*)-9-(*hydroxymethyl*)-6,6-*dimethyl*-3-(2-methyloctan-2-yl)-6a,7,10,10a-tetrahydrobenzo[*c*]chromen-1-ol)]; The exhibits were selected from a shipment containing approximately 1,500 such packets that were detained by a CBP agricultural specialist at an express Parcel service hub in Wilmington, Ohio. The items were not smuggled but were rather part of a formal entry. Standard marijuana analyses (microscopy) of the materials were negative. Analysis of extracts by GC/MS in the scan mode with split injection indicated only the presence of a large amount of vitamin E and other, smaller amounts of various natural products. However, when the extracts were derivatized with N,O-Bis(trimethylsilyl) acetamide and injected splitless with selected ion monitoring, HU-210 was found in very small but verifiable amounts in every packet (not unquantified). The results were confirmed against a standard.

These were the first such submissions to the laboratory.



Sources

- Original sales made overseas
- Internet sales (numerous websites)
- Herbal incense can be bought in many different types of businesses in the U.S.
- Customs Seizures

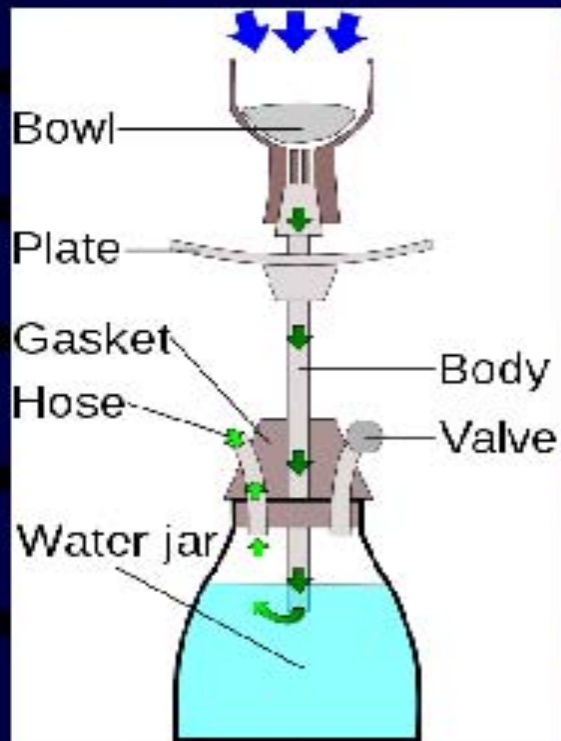


Paraphernalia

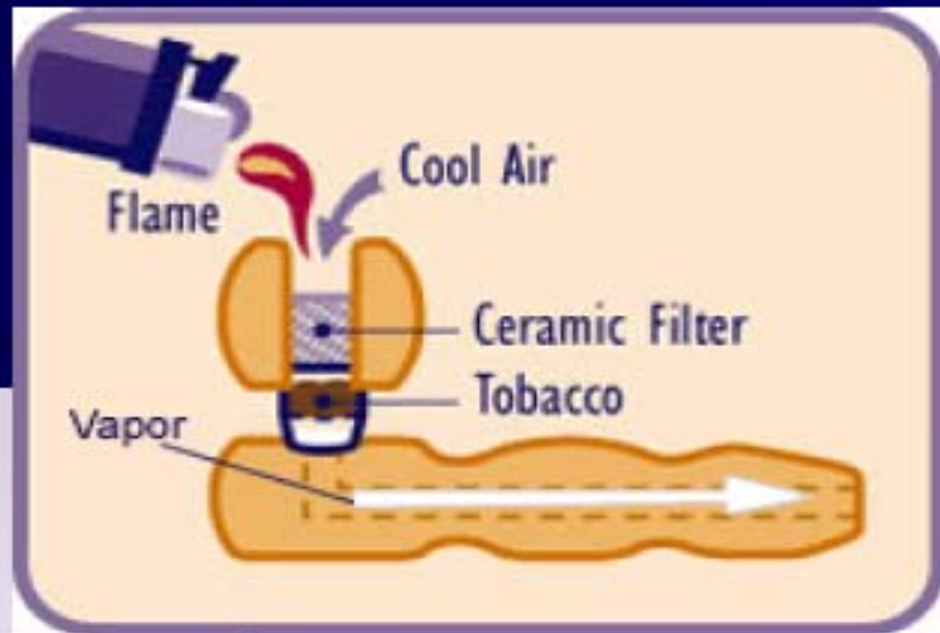
- Herbal incense smokers will use the same or similar products used by marijuana smokers
 - Pipes, bong, hookahs
 - Rolling papers
 - Blunts (hollowed out cigars packed with product)

- Herbal incense specific paraphernalia
 - Vapor Genie
 - Grinders (to further grind into a finer mixture)

Hookah



Vapor Genie



Grinders





Interpretation

- AR 600-85 does not address the possession of herbal incense products
- Commanders with SJA approval can implement local policy prohibiting the actual or attempted purchase, possession, use, distribution, and/or manufacture of herbal incense and similar substances (to include spice, salvia divinorum, jimson weed, etc.) on government property and in AO



AR 600-85 Policy



Chapter 4

Military Personnel Drug Testing Program

4-2. Policy m.

- (2) Controlled substance analogues (for example, designer drugs), natural substance (for example, fungi, excretions), chemicals (for example, chemicals wrongfully used as inhalants), propellants, and/or prescription or non prescription drugs and medications (when used in a manner contrary to their intend medical purpose to the prescribed dosage) if used for the primary purpose of inducing excitement, intoxication, and/or stupefaction of the central nervous system and such usage would normally result in the actual inducement of intoxication or stupefaction of the central nervous system. This provision is not intended to prohibit the otherwise lawful use of alcoholic beverages.
- (3) Dietary supplements that are banned by the U.S. Food and Drug Administration.



Controlled Substances Act

21 USC Part 1308 (Schedule I List)



- Definition of THC: “tetrahydrocannabinols naturally contained in a plant of the genus Cannabis (cannabis plant), as well as synthetic equivalents of the substances contained in the cannabis plant, or in the resinous extractives of such plant, *and/or synthetic substances, derivatives, and their isomers with similar chemical structure and pharmacological activity to those substances contained in the plant*”
- HU-210 (Controlled Substances Control # 7370)



Armed Forces Institute of Pathology (AFIP)



- AFIP will accept samples for testing with Probable Cause (PO) for Spice, Spike etc.
- AFIP has yet to confirm a positive
- Products constantly change
- No clinical study has been approved for a human study



Legal Issues



- Since the products not containing HU-210 are not illegal and urinalysis can not detect HU-210
- DEA is reviewing the substances in Spice products for possible addition to the controlled substances list



QUESTIONS?