









BLUF

Consistent trend in use across DoN

- CONUS / OCONUS
- Navy / Marine Corps

Similar trend – Army /Air Force

No anticipation of decline in 2011

Threat to Operational Readiness and Warfighter

Coordinated effort required to mitigate threat by:

- Law enforcement
 - Prevent / Reduce / Eliminate use
- Legal
 - Hold users Accountable
- Command Leadership
 - Increase Awareness of negative impact / effects



Spice

- Mixture of natural herbs and synthetic cannabinoids
 - Sold as incense or herbal smoking blends
 - Smoked in a desire to achieve marijuana-like effects

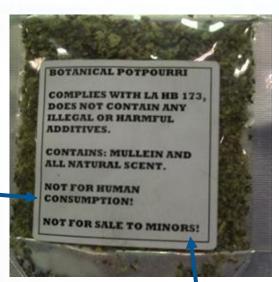
Natural herbs

- baybean, blue lotus, lion's tail, lousewort, indian warrior, dwarf skullcap, pink lotus, red clover etc...
- Likely selected based on the sound of the names rather than any effect they cause
- sprayed with synthetic cannabinoid before packaging for commercial sale
- Synthetic cannabinoids
 - Provide THC-like effect
 - Chemical compounds



Spice

- Availability
 - Sold as incense, potpourri, herbal room freshener
 - Labeled "Not for Human Consumption"



Common Brands

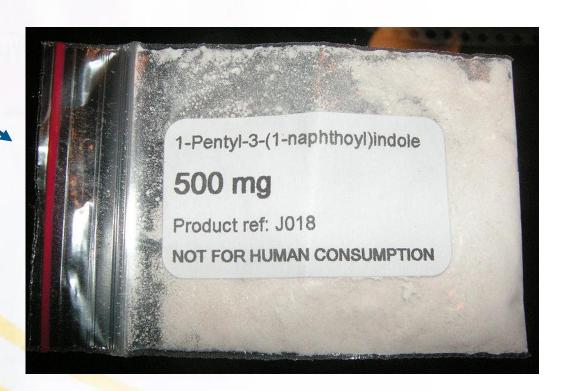
- Spice, K2, Genie, Red Dragon, Scale, Yucatan Fire, Zohai (several more)
- Different brands = different synthetic compounds = different effects
- Same brands = different synthetic compounds = different effects
- Price
 - \$10 \$90 per gram
 - Determined by locale / availability

What kind of "Botanical Potpourri" is "Not for sale to minors"???



What tests have found:

- JWH-018
- JWH-073
- JWH-200
- CP-47,497
- Cannabicyclohexanol
- HU-2010







What are these substances?

- CP 47,497
- HU-210
- JWH-018, JWH-73, JWH-200
- Cannabicyclohexanol







Effects

Marijuana-like "high"

- Marijuana: relaxation, reduced blood pressure, decreased motor skills
 - High doses: hallucinations and delusions
- Spice: hallucinations, agitation, elevated blood pressure and heart rate

Unpredictable

- Combine use with alcohol
- Strength of synthetic chemical used
- Manufacturers trying to "one-up" each other in potency
 - Chemical blends continuously manipulated
 - Maintain legal status
 - No oversight / regulation over manufacturing process



Effects

Users Have Reported to ERs with Numerous Side Effects



- Elevated Blood Pressure
- Hallucinations
- Tremors and Seizures
- Tachycardia
- Flushed Skin
- Excessive Sweating

- Numbness or Tingling
- Vomiting
- Loss of Consciousness / Non-Responsive
- Agitation
- Anxiety

Users often report a PCP-like "separation from consciousness"



Effects

Rapid Onset of Psychoactive and Negative Health Effects

Star & Advertiser

the classifica

- Hospitalizations
- Public Safety Issues
- DUIDs
- Violent Episodes
- Intoxication
- Other Criminal Offenses

Man blames synthetic pot as he admits to attack

York teen smokes Spice and nearly dies

Rushed to hospital after smoking Herbal Incense

Legal pot substitute 'spice' linked to Waikiki attempted murder



Onata www.action.linews.com

Millard South Shooter Tests Positive for Synthetic Marijuana





Medical Case Studies on Dependency and Withdrawal Symptoms

- 20 yro patient, 1g a day Spice Gold for 8 months, increased to 3g a day.
- Patient described main difference between Spice and Cannabis as less euphoria with Spice, but overall effect on his body as stronger.
- Had used illegal drugs for 3yrs-Hashish, then shrooms and Salvia.
- During a "shortage in supply" he experienced symptoms of withdrawal (as seen in Cannabis dependence), disappeared once reusing.
- During hospitalization, at day 4 began exhibiting signs of withdrawal (strong drug craving, nightmares, profuse sweating, nausea, tremor, headaches, elevated BP and HR.)



Journal List > Disch Arztebl Int > v.106(27); Jul 2009

Otsch Arziebi int. 2009 July; 106(27): 464–467. Published online 2009 July 3. dol: 10.3238/arziebi.2009.0464. PMCID: PMC2719097

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Case Report

Withdrawal Phenomena and Dependence Syndrome After the Consumption of "Spice Gold"

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Received November 24, 2008, Accepted March 12, 2009.



From blog discussion on health problems related to Spice use...

So ive been reading all this is astonishment. Myself and MANY friends of mine have been smoking this for YEARS. I used to be in the navy and poppy seed tea just wasnt doing it anymore so i tried this...back in 2007! then in 2008 i smoked 3 grams a day...almost every day. PEP spice was the brand. expensive as it was I loved it. 2009, same thing till i went on deployment. my first month or so underwater (submarine) i caughed up black stuff (expected just like cigs or weed after smoking that much that long) then it went away. i also had sweaty palms...ooooooh big deal. lasted only a couple weeks, when i got home from deployemtn 6 months later i was STILL healthy just like before I started. I got more and continued smoking 3+grams a day (got cheaper) of this new brand "GDS" and loved it. Ive never had any weird unexpected effects nor has my wife or friends that tried it. I even have a healthy baby after my wife smoked it while being pregnant for 4 months, BUT WÉ DIDNT KNOW SHE WAS PREGGO. we of course immediately stopped when we found out (just like one would do with cigs too) and have a beautiful healthy baby! The problems im having, not knowing the relation to my problems and spice, is coughing up black stuff (expected), my throat seems to have lump in it on the front left side which doesn't change with spice smoking now, ive lost weight :):), i can run faster and further than ever without working out for years, and lastly, some weird pain in my upper abdomen that is kinda pulsating or throbbing. antacids help a lot so im guessing its an ulcer now how can spice cause an ulcer other than by over eating? ive been on numerous other medications and worked on nuclear reactors in the navy so frankly, i dont blame any of this on spice... -from "jusgotout", Feb 2011



Japan laws regarding these substances

- JWH-018, CP 47,497, HU-210,
 Mephedrone, Piperazine,
 Methanon, Methanol and others
 are currently regulated.
- JWH-015, JWH-081, JWH-122, JWH-200, JWH-251, Methadrone, Plephedrone, others pending regulation.







Orders and Regulations

SECNAVINST 5300.28D

The unlawful use by persons in the DON of controlled substance analogues, natural substances, chemicals propellants, and /or proscribed or over the counter (OTC) drugs, with intent to induce intoxication, is prohibited.

OPNAVINST 5350.4D:

Drug abuse includes the wrongful use of designer drugs, OTC, anabolic steroids, as well as consumption of substances for other than their intended use (glue, air freshener, gasoline fume sniffing, herbal products...





Orders and Regulations

- Purchase, possession, or use by DON personnel and dependents of Spice/herbal incense type products as well as several other substances is also prohibited by:
- COMNAVFORJAPANINST 5820.17:
- COMFLEACTINST 5830.1:
- MARFORPAC Order 5355.2
- MCBJO 5355.1





UCMJ

- Article 92: Failure to obey order or regulation
- Article 134: Possession, use, importation onto a military installation.
- Article 112a: Any person subject to this chapter who wrongfully uses, possesses, manufactures, distributes, imports into the customs territory of the United States, exports from the United States, or introduces into an installation, vessel, vehicle, or aircraft used by or under the control of the armed forces a substance described in subsection (b) shall be punished as a court-martial may direct.







U.S. Code (for civilians and in some cases military members (MEJA)

- 21 USC 841: Manufacture, distribute, possess with intent, etc...
- 21 USC 844: Simple Possession
- 21 USC 813: Federal DrugAnalog Act





Lesser offenses for civilians

- Civilian Administrative Forum (CAF)
- Agreement to perform community service hours
- Or debarment







How can this effect readiness and safety?



Bag of Spice and homemade pipe found on ship underway.



Scope of the problem

NavyTimes

http://www.navytimes.com/news/2011/02/navy-16-betaen-sellors-discharged-foruse-of-spice-020011/

16 Bataan sailors discharged for spice use

By <u>William H. McMichael</u> - Staff writer Posted : Thursday Feb 3, 20m 8:20:54 EST

States satisfies assigned to the Norfolk-based amphibious assault ship Baman are getting the boot for roling or dealing the service banned synthetic morijuana generally known or "spice," the Navy confirmed Thursday.

The basts follow an eight-week investigation launched in Nevember should the buge, weathin, according to Lt. Omdr. Bill Urban, spoketmen for Surface Foods Atlantic.

Fifteen of the callors were given nonjudicial pendahment for fulling to obey the Navy's ban on spice and are or will be administratively discharged. Deban, correcting earlier information that all it had been so punished, subsequently reported that a toth sailor was convicted at a summary court-meetial abourd Baisan for failing to obey the ban, as well as for alcohol abous and manufactual abourd as it being discharged.

"The Navy has a sero telerance policy on drug abuse," Urban said in a statement, "Drug use

NavyTimes

http://www.navytimes.com/news/2011/03/military-spice-use-senators-letter-to-gates-032911w/

Senators say 'spice' use could affect readiness

By William H. McMichael - Staff writer Posted : Tuesday Mar 29, 2011 21:18:12 EDT

The military's struggle to come to grips with the marijuana-like synthetic cannahinoids collectively known as "spice" have raised alarms with two influential senators who say that the products "pose a risk to the operational readiness of our armed forces."

In a letter sent Tuesday to Defense Secretary Robert Gates, Sens. Charles Grassley, R-Iowa, and Dianne Feinstein, D-Calif., expressed particular concern over high-profile spice busts by the Navy, reported in Navy Times and other news outlets, on spice abuse aboard the amphibious assault ship Bataan and at the Naval Academy. They also pointed to Navy statistics cited in one of the stories showing that 151 sailors had been accused of using or been eaught with spice during the first four months of the fiscal year.



Navy to separate 15 sailors in drug probe

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Use, procession and distribution of the to enterance listed in the order preparable blockness the Uniform Code of Military Justice.

May civifie in it approaches the states allower agreement are it subject to the OCMI, but are subject to administrative which could result in being burset from base.

While the drugs in most cases are not considered controlled subspaces by the U.S. Drug References Agency, their use has been bound be enforced by a nife of this sent involve court new.

Several, but not all; U.S. and everyous bases have banned drugs little Space and solvia diviners as

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"The use of timics emerged out of Chineve and gradually mode its way as you flow he assunced mainlandl," Alyan said.

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NavyTimes

http://www.navytimes.com/news/2011/03/navy-academy-12th-mid-expelled-spice-033111w/

12th mid expelled over 'spice'

By Sam Fellman - Staff writer Posted: Thursday Mar 31, 2011 11:11:28 EDT

The Naval Academy expelled a 12th midshipman for smoking or peddling the marijuana-like drug "spice" Monday as part of a wide-ranging investigation, an academy official said Thursday.

The former midshipman was a female sophomore, academy spokesman Cmdr. Joe Carpenter said. Carpenter declined to provide additional details, citing privacy concerns.

She is the first woman to be expelled for spice, according to Carpenter. Six other sophomores have been kicked out, as well as four juniors and one freshman.



NCIS Response

- Special Agents corroborate commercial spice suppliers & local commanders place establishments off limits
- Undercover operations w/ DON personnel
 - Buy walks, buy bust
 - Reverse sting operations
 - Joint Operations with Japanese counterparts-Narcotics Control Department, Customs, Prefecture Police
 - Investigations based on tips
- Over 100 cases presented for prosecution









To Report:

- USN Regulation 1137 Obligation to Report Offenses:
- Persons in the naval service will report, as soon as possible to superior authority all offenses under the UCMJ which come under their observation, except when such persons are themselves already criminally involved...
- NCISRA Yokosuka: Building 1997, 2nd Deck: 243-7535
- Tipline: <u>ncistipline@ncis.navy.mil</u>
- **1-800-264-6485**





MCPON Public Service Announcement

