

IMPAIRMENT OVERVIEW & NEW DRUG TRENDS

CNS Depressants

- Uncoordinated
- Sluggish
- Drunk like behavior
- Gait Ataxia
- Droopy eyes
- Fumbling
- HGN
- Possible dilated pupils
- Possible slow pulse rate
- Blood pressure down

CNS Stimulants

- Restlessness
- Body tremors
- Excited
- Talkative
- Exaggerated reflexes
- Anxiety
- Bruxism
- Loss of Appetite
- Insomnia
- Increased alertness
- Dry mouth
- Elevated pulse and blood pressure
- Dilated pupils

Hallucinogens

- Perspiring
- Non-communicative
- Blank stare
- Difficulty with speech
- Repetitive speech
- Increased pain threshold
- Cyclic behavior
- Possibly violent & combative
- Moon walking
- Sensory distortions
- Pulse, blood pressure, body temp are elevated
- Pupil size normal

Dissociative Anesthetic

- Perspiring
- Non-communicative
- Blank Stare
- Incomplete verbal responses
- Repetitive speech
- Increased pain threshold
- Cyclic behavior
- Hallucinations
- Possibly violent & combative
- Chemical Order
- "Moon Walking" NOT THE MICHAEL JACKSON
- Sensory distortions
- Pulse, blood pressure, body temperature Elevated

Narcotic Analgesics

- Droopy eyelids "on the nod"
- Drowsiness
- Depressed reflexes
- Dry mouth
- Facial Itching
- Fresh puncture marks
- Track Marks
- Euphoria
- Low, raspy, slow speech
- Constricted pupils
- Pulse, blood pressure, body temperature down

Inhalant

- Residue of substance around nose and mouth
- Odor of substance
- Possible nausea
- Slow, slurred speech
- Disorientation
- Bloodshot, watery eyes
- Flushed face
- Non-communicative
- Intense headaches
- Elevated Pulse
- Blood pressure down or elevated
- Pupil size possible dilated

Cannabis

- Redding of conjunctiva
- Odor of substance
- Debris in mouth
- Eyelid tremors
- Relaxed inhibitions
- Increased appetite
- Impaired perception of time and distance
- Possible paranoia
- Pulse and Blood pressure elevated
- Pupil size possibly normal

Drug Trends Awareness

- Bath Salts
- Alcohol Infused Whipped Cream
- Energy Drinks/Energy Shots
- Herbal Incense (Spice)
- Ritalin & Adderall
- Bromo-DragonFly



Alcohol Infused Whipped Cream

- An Alcohol-infused whipped cream
- Used with drinks, desserts or by itself



- Advertised as an alcoholic beverage
- Whipped Lighting's "Whipahol" is available:
 - Up to 36.5 proof
 - In flavor like spiced Vanilla, Amaretto
 - White Chocolate Raspberry, Pumpkin and
 - Many others.

Can you tell the difference?



Non-Alcoholic Energy Drinks



Alcoholic Energy Drinks



Negative Health Effects of Energy Drinks

- Caffeine Content:
 - Can be addictive
 - Increases the risk of dehydration
 - Overdose potential
- Sugar Content:
 - Contributes to weight gain
 - Can cause lower energy levels
- May Cause Seizures (even with no history of epilepsy).
- When combined with alcohol:
 - Increased risk of injury
 - Increased risk of alcohol poisoning

Bath Salts*

- Ivory Wave, Red Dove, Pure Ivory, Vanilla Sky are the more common forms of these.
- NOT intended for human consumption.
- Nothing more than compounds or mixtures of esoteric designer drugs

*THIS IS NOT CALGON



Bath Salts

- Legal over-the-counter abused substance which is being marketed as bath salts.
- Abusers can smoke, snort, inject the crystal like substance.
- Abuse of this product produces effects similar to Cocaine, Ecstasy and other illegal Drugs.
- The side effects diminish quickly thus
- Forcing the abuser to take larger quantities
- In shorter intervals.



The DEA Takes Action

- OCT 21, 2011 - WASHINGTON, D.C. – The United States Drug Enforcement Administration (DEA) today exercised its emergency scheduling authority to control three synthetic stimulants (Mephedrone, 3,4 methylenedioxypropylvalerone (MDPV) and Methytlone) used to make products marketed as “bath salts” and “plant food”. Except as authorized by law, this action makes possessing and selling these chemicals, or the products that contain them, illegal in the United States. This emergency action was necessary to prevent an imminent threat to the public safety. The temporary scheduling action will remain in effect for at least one year while the DEA and the United States Department of Health and Human Services (DHHS) further study whether these chemicals should be permanently controlled.

The bath salts were added to Penalty Group 2 of 481.103 of the Texas Health and Safety Code, effective Sept. 1st, 2011. Less than one gram is a State Jail Felony, 3rd degree felony for possession of 1 gram or more but less than four grams, and 2nd degree felony for possession of four grams or more but less than 400 grams. An offense under this section is punishable by imprisonment in the Texas Department of Criminal Justice for life or for a term not more than 99 years or less than five years, and a fine not to exceed \$50,000, if the amount of controlled substance possessed is, by aggregate weight, including adulterants or dilutants, 400 grams or more.

Texas State Law on Bath Salts

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Ritalin Abuse in Adults

- Methylphenidate (MPH), aka Ritalin:
 - Amphetamine-like prescription stimulant.
 - Commonly used to treat Attention Deficit Hyperactivity Disorder (ADHD) in children and adults.
- Adults with ADHD find that Ritalin increases their ability to focus on tasks and organize their lives.
- Ritalin can increase heart rate and blood pressure.



Ritalin Abuse in Adults

- Adults turn to the drug for its stimulant effects:
 - Appetite suppression
 - Wakefulness
 - Increased focus
 - Attentiveness
 - Euphoria
- Ritalin rehab treatment may include:
 - Detoxification
 - Medication
 - Therapy to help treat the various symptoms including:
 - Anxiety
 - Insomnia
 - Depression



- When abused:
 - Taken orally
 - Crushed & snorted
 - Tablets dissolved in water & injected



Herbal Incense



- Mix of herbs, synthetic cannabinoids, and/or other ingredients:
 - Intended use as aromatic incense (potpourri) or burning incense.
 - Not "intended" for smoking.
- Many products are currently available.
 - Spice & K2 are currently the 2 most popular brands.
- "Spice" is used to refer to herbal incense products.
- Many products share very similar ingredients and characteristics.
 - As governments ban certain synthetic cannabinoids, manufacturers substitute other legal synthetics or introduce a new product to replace the banned one.

Why Do People Use It?

- Herbal incense products are a legal substitute for marijuana with similar effects.
- Other reasons include:
 - To increase creativity
 - To reduce stress
 - To experience euphoria
 - To increase personal insight
 - To increase appreciation for the arts
- There are numerous blogs and websites which provide users the opportunity to share their experiences, which serves to "glorify" its usage.

Disclaimer

- There are numerous products being smoked for cannabis-like effects.
- Manufacturers constantly change product ingredients & market products under new names.
- Product names and lists, as well as the list of synthetic cannabinoids, presented in this presentation are ***not*** all inclusive.

Spice Banned Nationwide

- December 2010: DEA banned 5 chemical compounds used in Spice.
- Ban is *only* an “emergency schedule”
 - ... i.e., ONLY TEMPORARY: lasts 12 months while the DEA tests the chemicals to gather data for a permanent scheduling.
- “Head shops” and retailers in the U.S. are forbidden from selling herbal incense blends containing banned compounds.



Texas Law Spice

- Legislators passed a bill adding a new section, 2-A, to the health and safety code addressing use of “synthetic cannabinoids” which many people prior to Sept. 1 knew as “legal marijuana,” often sold under the names K2 or Spice.”
- As of Sept. 1, anyone found with this substance will face the same penalties as marijuana possession offenses, according to 481.1031 and 481.1161, Penalty Group 2-A.


Effects

➤ Euphoria	➤ Paranoia
➤ Giddiness	➤ Light-headedness
➤ Silliness	➤ Auditory & visual hallucinations
➤ Bloodshot eyes	➤ Painless head pressure
➤ Impaired short-term memory	➤ Time distortion
➤ Impaired concentration	➤ Panic attacks
➤ “Munchies”	➤ Delirium
➤ Cotton mouth	➤ Impaired coordination
➤ Light sensitivity	➤ Sleeplessness
➤ Warm sensation in the limbs	
➤ Dry eyes	❖ Onset: 5-10 minutes
	❖ Duration: 8-12 hours

Appearance & Sources

➤ Appearance:

- Most herbal incense appear as an olive green leafy material.
- Very similar in appearance to marijuana or oregano.



➤ Sources include:

- Original sales made overseas
- Law enforcement seizures
- Herbal incense can be bought in many different types of businesses in the U.S.
 - Headshops, gas stations, Amazon.com & numerous other sites.

Chemical's associated with Spice which were band by DEA

- MAR 01, 2011 - WASHINGTON, D.C. – The United States Drug Enforcement Administration (DEA) today exercised its emergency scheduling authority to control five chemicals (JWH-018, JWH-073, JWH-200, CP-47,497, and cannabicyclohexanol) used to make so-called “fake pot” products. Except as authorized by law, this action makes possessing and selling these chemicals or the products that contain them illegal in the United States. This emergency action was necessary to prevent an imminent threat to public health and safety. The temporary scheduling action will remain in effect for at least one year while the DEA and the United States Department of Health and Human Services (DHHS) further study whether these chemicals should be permanently controlled.

Bromo-Dragon Fly

- Bromo-Dragon Fly- is a psychedelic hallucinogen drug related to the phenethylamine family. Bromo DragonFLY is considered an extremely potent hallucinogen, only slightly less potent than LSD with normal does in the region of 200 ug to 800 ug, and it has an extremely long duration of action up to several days.
