

(Street Names: Maria Pastora, Sage of the Seers, SALVIA DIVINORUM AND SALVINORIN A Diviner's Sage, Salvia, Sally-D, Magic Mint)

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Introduction:

successfully outside of this region. Salvia divinorum has been used by the Mazatec Indians for its ritual divination and healing. The active constituent of Salvia divinorum has feet in height, has large green leaves, hollow square stems Salvia divinorum is a perennial herb in the mint family native to certain areas of the Sierra Mazateca region of are controlled under the federal Controlled Substances Act been identified as salvinorin A. Currently, neither Salvia divinorum nor any of its constituents, including salvinorin A, and white flowers with purple calyces, can also be grown Oaxaca, Mexico. The plant, which can grow to over three

Neither Salvia divinorum nor its active constituent salvinorin A has an approved medical use in the U.S.

Chemistry and Pharmacology:

Salvia divinorum. Chemically, it is a neoclerodane diterpene found primarily in the leaves, and to a lesser extent in the stems. Although several other substances have been isolated from the plant, none have been shown the ingredient responsible for the hallucinogenic effects of to be psychoactive. Salvinorin A, also called Divinorin A, is believed to be

extract-enhanced leaves purported to be enriched with salvinorin A, are also smoked. Smoking pure salvinorin A, across the lining of the oral mucosa (buccal). Effects first appear within 5 to 10 minutes. Dried leaves, as well as smoked. When chewed, the leaf mass and juice are maintained within the cheek area with absorption occurring at a dose of 200-500 micrograms, results in effects within 30 seconds and lasts about 30 minutes. In the U.S., plant material is typically either chewed or

as well as body movements and body or object distortions. include perceptions of bright lights, vivid colors and shapes, using either plant material or salvinorin A. Psychic effects dizziness, and slurred speech. Adverse physical effects may include incoordination hallucinations Other effects include dysphoria, uncontrolled laughter, a A limited number of studies have reported the effects of of loss ss of body, overlapping realities, and (seeing objects that are not present).

hallucinogenic effects and dysphoria similar to that produced by salvinorin A. Salvinorin A does not activate the serotonin 2A receptor, which mediates the effects of selective kappa opioid receptor agonist. Other drugs that other schedule I hallucinogens. Scientific studies show that salvinorin A is a potent and kappa opioid receptor יים produce similar to יי אח

Salvinorin A and Salvia divinorum products are abused for their ability to evoke hallucinogenic effects, which, in those of other scheduled general, are similar to hallucinogenic substances.

User Population:

did so in the past year. Use was more common among young adults (18 to 25 years old) as opposed to older adults (>26 years of age). Young adults were 3 times more likely than youths aged 12 to 17 to have used Salvia divinorum in the past year. Use is more common in males Health Report published by SAMHSA in February 2008, it than females. Salvia divinorum in their lifetime, a approximately 750,000 is estimated that 1.8 million persons aged 12 or older used According to a National Survey on Drug Use and

strengths (e.g., 5x, 10x, 20x, 30x), and liquid extracts purported to contain salvinorin A. These products are also sold at local shops (e.g., head shops and tobacco shops). Illicit Distribution:
Salvia divinorum is grown domestically and imported fresh and dried leaves, extract-enhanced leaves of various from Mexico and Central and South America. The Internet divinorum. It is sold as seeds, plant cuttings, whole plants, used for the promotion and distribution of Salvia

Control Status:

legislation placing regulatory controls on Salvia divinorum and/or salvinorin A. Delaware, Florida, Illinois, Kansas, Mississippi, Missouri, North Dakota, Oklahoma, and Salvia divinorum and salvinorin A are not currently controlled under the CSA. However, a number of states bills proposing regulatory controls are pending in Michigan, New Jersey, New York, Ohio, Pennsylvania, Texas and legislative bills proposing regulatory controls died are Alabama, Alaska, Hawaii, Indiana, Iowa, Minnesota, Nebraska, Oregon, South Carolina, and Utah. Legislative restricting the distribution of the plant. States in which into schedule I of state law. California, Louisiana, Maine and Tennessee enacted other forms of legislation Virginia have placed Salvia divinorum and/or salvinorin A have placed controls on S*alvia divinorum* and/or salvinorin As of November 2008, thirteen states have enacted

Estonia, Finland, Italy, Japan, Spain, and Sweden. under regulatory controls in Australia, Belgium, Denmark, Salvinorin A and/or Salvia divinorum have been placed

Comments and additional information are welcomed by the Drug and Chemical telephone 202-307-7183 Evaluation Section,