



Methamphetamine powder



Ice methamphetamine

METHAMPHETAMINE **FIELD DETECTION KIT**

FROM SKC INC.



METHAMPHETAMINE:

DEFINING THE PROBLEM

- Methamphetamine or "meth" is a potent central nervous system stimulant that is highly addictive, cheap, and easy to produce.
- Meth is derived from commonly available decongestants and diet aids containing ephedrine or pseudoephedrine and cooked in clandestine (illegal) "labs".



TYPICAL METH LAB



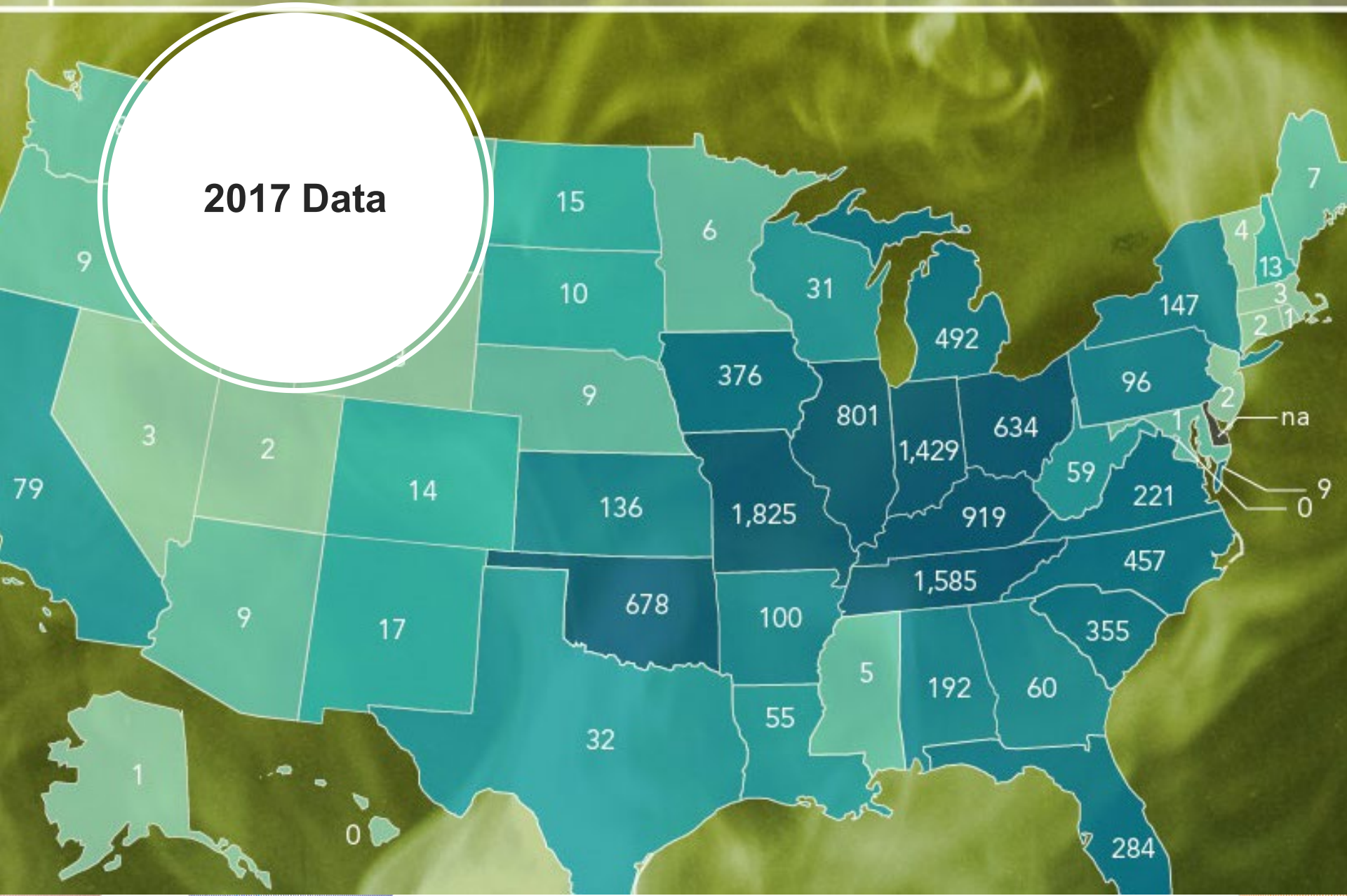
TYPICAL METH LAB



Total Meth Laboratory Incidents

Including Labs, Dumpsites Chem/Glass/Equipment

2017 Data



ROLE OF HEALTH & SAFETY PROS IN METH LABS

- To protect first-responders and other personnel from the hazards
- To develop health and safety plans for decontamination of buildings/environment
- To confirm that appropriate “safe” levels have been met prior to building reoccupancy



OCCUPATIONAL HAZARDS OF METH

WHO?

- Law enforcement
- Fire, Haz-Mat, or ambulance crews
- Social services
- Utilities services
- Landlords
- Custodial or Housekeeping staff

WHERE?

- Homes
- Cars
- Hotel Rooms
- Storage units
- Dumpsters
- Tents/Campsites



CHEMICAL HAZARDS IN METH PRODUCTION

RED PHOSPHORUS METHOD

- Iodine
- Phosphine
- Sodium hydroxide
- Sulfuric acid

NAZI COLD LABS METHOD

- Ammonia
- Sulfuric Acid
- Hydrocarbons



SAMPLE COLLECTION

- Air sampling for individual contaminants is only effective during active “cooking” of meth.
- The particulate aerosol formed during meth production however deposits onto available surfaces and remains.
- So a better method for sampling meth after a cook is using surface wipe sampling.



METH FIELD DETECTION KIT

- NIOSH developed a simple and reliable technology that can detect meth residue and provide an indication of meth levels.
- This immunoassay based detection kit looks and functions similar to a home pregnancy test.
- This technology was transferred to SKC for commercial production.





Each 560-series kit contains solutions and multiple individually packaged test packets that include:

- Gauze wipes/cotton swabs
- Disposable gloves
- Disposable 10 x 10-cm templates
- Syringes
- Pipettes
- Extractor solution in vials
- Sample storage mini bags
- Detection cartridges
- Color Quick Guide instructions
- Wetting Agent spray
- Complete Operating Instructions and accessories







Allows assessment of meth residues on surfaces with limits of identification relevant to cleanup guidelines in designated states:

MethChek 1500-detects 1500 ng/100 cm²

MethChek 500-detects 500 ng/100 cm²

MethChek 100-detects 100 ng/100 cm²

MethChek 50-detects 50 ng/100 cm²



CLEANUP LEVELS

- Check the state regulations that apply to your meth clean-up project to choose the most appropriate SKC MethChek kit.
- If you simply want to see if meth is present at all, use the MethChek 50 kit which is the most sensitive kit available.
- A final confirmation of meth levels using a wipe sample and laboratory analysis may be necessary before signing off on the project.



THANK YOU FOR YOUR INTEREST

- In this important public health and law enforcement issue.
- Contact your local SKC representative for further information on SKC MethChek.

