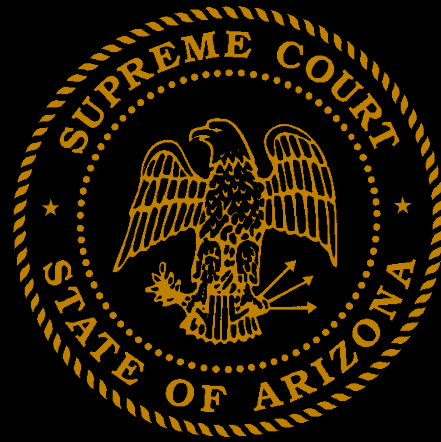


# *Administrative Office of the Courts*



**O.C. Spray**

# HISTORY



- ❖ 2000 B.C. – Chinese warriors rolled black pepper up into a tube of rice paper and blew it into their opponent's face.
- ❖ W.W.I. – **C.N.** (Chloroacetophenone) = “Tear Gas”  
Effects lachrymal ducts. Irritates eyes, causes tears to flow. Color Code: **RED**.
- ❖ 1920's – French police first use chemical agents similar to C.N., to quell riots in Paris.
- ❖ 1950's – **C.S.** (Orthochlorobenzalalnonitrile) Similar effects as O.C. spray. Color Code: **Blue**.
- ❖ 1970's – Aerosol of hot pepper is marketed in U.S. and fails.
- ❖ 1978 – O.C. is marketed under the brand name “Cap-Stun”.
- ❖ 1989 – An F.B.I. Study finds no long or short term health risks associated with O.C. use.

# *O.C. Oleoresin Capsicum*

- **Oleoresin** – a mixture of resin and oils occurring naturally in various plants.
- **Capsicum** – any of several varieties of red pepper such as Cayenne. Prepared from the fleshy pods of the plants.



# *Specifics*



- No official color code, but **orange** is used.
- Inflammatory agent effecting mucous membranes.
- Non-toxic, bio-degradable. ( **C.N./C.S** man-made).
- An oil/wax-like substance that is sticky.
- Non-lethal, if used under proper conditions.
- No known allergies to O.C.
- Subjects should react within one to three seconds.
- Watch for alcohol based products.

# *Effects*



- ✓ Subjects react within three to five seconds.
- ✓ Includes dogs and other animals.
- ✓ Involuntary closing of the eyes.
- ✓ Inflammation of mucous membranes.
- ✓ Intense burning sensation to exposed skin: face, neck, ears, moist areas of the body.
- ✓ Coughing, gagging, shortness of breath.

Effects may last up to 45 minutes.





# *Optimum Conditions for Use*



- Outdoor temperature 72 degrees, however will work between 30-130 degrees.
- Hot air temperatures create quicker effectiveness due to open pores. Cold temperatures have an opposite effect.
- Officer standing with wind to back.
- Not raining, no wind, no extreme cold.



# *Nomenclature*



Cover

Actuator/Trigger

Cap

Valve/Nozzle

Canister

Dip Tube

About 1/2 to 1/3 is the chemical agent the remainder is the propellant.

# *Maintenance*



- Check for cracks, deformities, etc.
- Shelf life is stated by manufacturer, generally four to five years.
- Disposal – be sure it's empty, can go into household trash.

# *Storage*



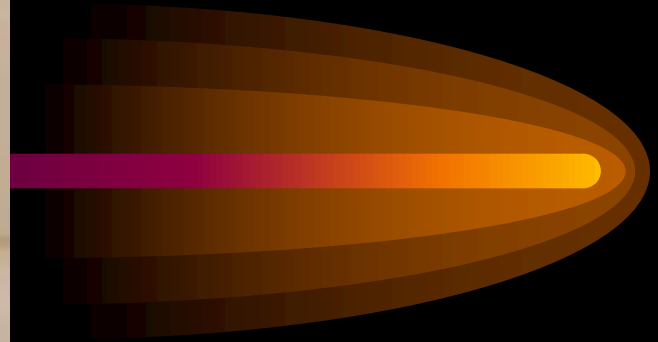
- Keep secured. Do not allow unauthorized people to handle canister.
- Keep away from children.
- Keep out of direct sunlight.
- Avoid prolonged exposure to temperature extremes such as glove box or trunk.

**Canisters can explode when subjected to extremes!**

# *Deployment*

- Belt placement.
- Interview Stance.
- Two-hand supported grip.
- Thumb Activated.
- Verbal Commands





- Maintain reactionary gap – O.C. most effective between 2 to 15 feet.
- One second bursts aimed at eyes, eyebrows, nose, and mouth.
- Repeat as needed.
- Movement, lateral, forward, etc. OC will not always stop a charging subject.



- Handcuff subject as soon as able.
- Decontaminate yourself first, then the subject.

# *Be Prepared*

- Some people may react with violence.
- You may need to escalate force.
- Be ready to take defensive actions.
- Motivated subjects may fight effects longer.



# Warnings



- **NEVER** spray directly at eyes from within two feet. This can cause permanent injury known as “Hypodermic Needle Effect”.
- Spraying upside-down may allow propellant to escape and agent will not be delivered.



# *Spraying Techniques*

- ✓ Main target is eyes.
- ✓ Direct Spray – directly toward a stationary target.
- ✓ Horizontal Spray – side to side, good for multiple targets.
- ✓ Cross or “X” pattern.
- ✓ Circular Spray.



If subject is wearing glasses – spray at forehead, brow, nose or mouth.

# *Special Considerations*



The following may have a severe reaction to O.C.:

1. Children under 12 years of age.
2. Emphysema, bronchitis, asthma, pneumonia sufferers.
3. Lung cancer sufferers.
4. Subjects with heart disorders.
5. Elderly.

# *Decontamination*

- Removed exposed person(s) from area.
- Calm reassurance. Constantly monitor subject.
- Flush with copious amounts of **cool running water** or move to fresh air.
- Remove contact lenses if necessary.
- Hospital if any respiratory problems.
- Inform custodial personnel of OC use.

# *Decontamination Don'ts*



- ❖ DO NOT rub eyes.
- ❖ DO NOT use creams or salves.
- ❖ DO NOT delay first aid.
- ❖ DO NOT touch affected areas.
- ❖ DO NOT place subject on stomach.

# *Summary*



- **Match your force to their resistance.**
- **Once compliance starts, escalation stops.**
- **If we perceive danger and can safely retreat - LEAVE.**
- *Follow your Department Policy*
- **GO HOME ALIVE !!!!!!!!!!!!!**