Non-Lethal Chemical Agents
8 Types of Non-Lethal Chemical Agents
Types of Chemical Agents

CN  CS  MACE  OC

VP  CR  DM  HC
Chloracetophenone
“Cry Now”
Red Color Code

Chloracetophenone
“Cry Now”
1. Red Color Code

Tearing Agent

Chloracetophenone
“Cry Now”
1. Red Color Code
2. Tearing Agent

Sweet Smell
(Apple Blossoms)

Chloracetophenone
"Cry Now"

CN
1. Red Color Code
2. Tearing Agent
3. Sweet Smell

White Powder

Chloracetophenone
“Cry Now”
1. Red Color Code
2. Tearing Agent
3. Sweet Smell
4. White Powder

Chloracetophenone
“Cry Now”

Seldom Used
Decontamination

Cool, Clean Water

Fresh Air

Don’t Rub Face

NO Oil-based Soaps or Salves
1. Red Color Code
2. Tearing Agent
3. Sweet Smell
4. White Powder
5. Seldom Used

Review

Chloracetophenone
“Cry Now”
Orthochloro-benzalmalononitrile

“Cough & Spit”
Orthochlorobenzal-malononitrile

“Cough & Spit”

Blue Color Code

CS
1. **Blue Color Code**

**CS**

*Orthochlorobenzal-malnononitrile*

“Cough & Spit”

**Irritating Agent**
1. Blue Color Code
2. Irritating Agent

Pungent Odor

Pepper

Orthochlorobenzal-malononitrile
“Cough & Spit”
1. Blue Color Code
2. Irritating Agent
3. Pungent Odor

Orthochlorobenzal-malononitrile
“Cough & Spit”

Yellow Powder
1. Blue Color Code
2. Irritating Agent
3. Pungent Odor
4. Yellow Powder

Orthochlorobenzalmalononitrile
“Cough & Spit”

Most Effective
Most powerful
Decontamination

Cool, Clean Water

Don’t Rub Face

Fresh Air

NO Oil-based Soaps or Salves
1. Blue Color Code
2. Irritating Agent
3. Pungent Odor
4. Yellow Powder
5. Most Effective

Orthochlorobenzal-malononitrile
“Cough & Spit”
Chemical MACE
Chemical MACE

Phenylchloromethylketone
Silver/Black Color

Chemical MACE

Phenylchloro-methylketone

Code
1. Silver/Black Color Code

**Chemical MACE**

Phenylchloromethylketone

**CN-based tearing agent 0.9-1.0% CN**

**CS-based irritant agent 0.2% CS**

**OC-based inflammatory agent 5-10% OC**
1. Silver/Black Color Code
2. CN-based tearing agent 0.9-1.0% CN
   CS-based irritant agent 0.2% CS
   OC-based inflammatory agent 5-10% OC

Chemical MACE
Phenylchloromethylketone

Kerosene Odor
1. Silver/Black Color Code

2. CN-based tearing agent 0.9-1.0% CN
   CS-based irritant agent 0.2% CS
   OC-based inflammatory agent 5-10% OC

3. Kerosene Odor

Chemical MACE
Phenylchloro-methylketone

Clear Liquid
1. Silver/Black Color Code
2. CN-based tearing agent 0.9-1.0% CN
   CS-based irritant agent 0.2% CS
   OC-based inflammatory agent 5-10% OC
3. Kerosene Odor
4. Clear Liquid

Decreasing Use

Chemical MACE
Phenylchloromethylketone
Chemical MACE

Decontamination

Cool, Clean Water

Don’t Rub Face

Fresh Air

NO Oil-based Soaps or Salves
1. Silver/Black Color Code
2. CN-based tearing agent 0.9-1.0% CN
   CS-based irritant agent 0.2% CS
   OC-based inflammatory agent 5-10% OC
3. Kerosene Odor
4. Clear Liquid
5. Decreasing Use

Chemical MACE
Phenylchloro-methylketone

Review
OC
Tincture Oleoresin Capsicum
“Old Chili”
Orange Color Code

OC
Tincture Oleoresin Capsicum
“Old Chili”

Orange Color Code
1. Orange Color Code

OC

*Tincture Oleoresin Capsicum*

“Old Chili”

Inflammatory Agent
1. Orange Color Code
2. Inflammatory Agent

Pungent Odor
Pepper

OC
Tincture Oleoresin
Capsicum
“Old Chili”
1. Orange Color Code
2. Inflammatory Agent
3. Pungent Odor

Red Powder

OC
Tincture Oleoresin Capsicum
“Old Chili”
1. Orange Color Code
2. Inflammatory Agent
3. Pungent Odor
4. Red Powder

Most Used Aerosol

OC
Tincture Oleoresin Capsicum
“Old Chili”
What is OC?

OLEORESIN CAPSICUM
Cool, Clean Water

Fresh Air

Decontamination

Oil-free Soap

ICE
1. Orange Color Code
2. Inflammatory Agent
3. Pungent Odor
4. Red Powder
5. Most Used Aerosol

OC
Tincture Oleoresin Capsicum
“Old Chili”

Review
Pelargonylvanillylamide
“Very Pure”
Pelargonylvanillylamide
"Very Pure"

No Color Code
Topical Irritant/Inflammatory Agent

Pelargonylvanillylamide
“Very Pure”
1. No Color Code
2. Irritant/Inflammatory Agent

Pepper Odor

Pelargonylvanillylamide
“Very Pure”
1. No Color Code
2. Irritant/Inflammatory Agent
3. Pepper Odor

White Powder

Pelargonylvanilllamide
“Very Pure”
1. No Color Code
2. Irritant/Inflammatory Agent
3. Pepper Odor
4. White Powder

New Agent

Pelargonylvannilylamide
"Very Pure"
Cool, Clean Water

Fresh Air

Decontamination

Cool, Clean Water

ICE

Oil-free Soap
1. No Color Code
2. Irritant/Inflammatory Agent
3. Pepper Odor
4. White Powder
5. New Agent

Review

Pelargonylvaniillylamide
“Very Pure”
Dibenzoxazepine

“Cruel”
Violet Color Code

Dibenzoxazepine
“Cruel”
1. Violet Color Code

Irritating Agent

Dibenzoazepine

"Cruel"
1. Violet Color Code
2. Irritating Agent

CR
Dibenzoazepine
“Cruel”

Pungent Odor
Pepper
1. Violet Color Code
2. Irritating Agent
3. Pungent Odor

White Powder

CR

Dibenzoazepine

“Cruel”
1. Violet Color Code
2. Irritating Agent
3. Pungent Odor
4. White Powder

Seldom Used
Military uses
12x more powerful

Dibenzoxazepine
“Cruel”
Decontamination

NO Water

NO Oil-based Soaps or Salves
1. Violet Color Code
2. Irritating Agent
3. Pungent Odor
4. White Powder
5. Seldom Used

Review

CR
Dibenzoazepine
“Cruel”
Diphenylaminechlorasine

“Dirty Mess”
Green Color Code

DM
Diphenylamine-chlorasine
“Dirty Mess”
1. Green Color Code

Sickening Agent

Absorbed thru skin

DM
Diphenylamine-chlorasine
“Dirty Mess”
1. Green Color Code
2. Sickening Agent

DM
Diphenylamine-chlorasine
“Dirty Mess”

Licorice Odor
1. Green Color Code
2. Sickening Agent
3. Licorice Odor

Yellow Powder

Diphenylamine-chlorasine
“Dirty Mess”
1. Green Color Code
2. Sickening Agent
3. Licorice Odor
4. Yellow Powder

Most Violent
Banned by U.N. 1956

DM
Diphenylamine-chlorasine
“Dirty Mess”
Decontamination

Wash with Water

DM

Fresh Air

Hospitalization

Treat for Dehydration
1. Green Color Code
2. Sickening Agent
3. Licorice Odor
4. Yellow Powder
5. Most Violent

DM
Diphenylamine-chlorasine
“Dirty Mess”

Review
Hexachlorethane
“Hide-Conceal”
Hexachlorethane
“Hide-Conceal”

Yellow Color Code
1. Yellow Color Code

- HC
- Hexachlorethane
- “Hide-Conceal”

Inert-No Agent
1. Yellow Color Code
2. Inert-No Agent

HC
Hexachlorethane
“Hide-Conceal”

Smoke Smell
1. Yellow Color Code
2. Inert-No Agent
3. Smoke Smell

HC
Hexachlorethane
“Hide-Conceal”

Burning Solid
1. Yellow Color Code
2. Inert-No Agent
3. Smoke Smell
4. Burning Solid

Hexachlorethane
“Hide-Conceal”

Smoke Screen
Signaling/Marking
Decontamination

Oxygen, if needed

Hospitalization

Fresh Air

For serious smoke inhalation
1. Yellow Color Code
2. Inert-No Agent
3. Smoke Smell
4. Burning Solid
5. Smoke Screen

HC
Hexachlороethane
“Hide-Conceal”

Review
Types of Chemical Agents

CN
CS
MACE
OC

VP
CR
DM
HC