



# FACT SHEET

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## U.S. ARMY CHEMICAL MATERIALS AGENCY

### Chemical Agent Identification Sets

The U.S. Army used Chemical Agent Identification Sets (CAIS) from 1928 to 1969 to train Soldiers and sailors in the safe handling, identification and decontamination of chemical warfare agents. The Army produced the identification sets in large quantities and various configurations, distributing the items over a broad area.

The sets consist of chemical agents placed in glass ampoules, vials and bottles then packed in metal shipping containers or wooden boxes. In some cases, after use in training, the Army buried CAIS items. Occasionally, only the glass vials or bottles containing chemical agent from CAIS were buried.

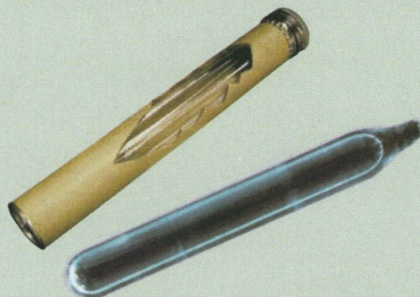
Many sets have been discovered periodically in storage and at burial sites. In the early 1980s, the Army destroyed approximately 21,000 CAIS, the entire quantity then left in storage.

Periodically, a recovery of additional CAIS items occurs. When this happens, the U.S. Army Non-Stockpile Chemical Materiel Project destroys the items using their proven mobile treatment technologies. Small quantities of these items are destroyed using the Single CAIS Access and Neutralization System while the Rapid Response System treats larger quantities of CAIS.

If you encounter these items, please call your local emergency personnel. Do not touch or move these items as they may contain small amounts of chemical agent.

#### CAIS CONFIGURATIONS

##### Glass ampoules and vials



##### **Could contain:**

5% lewisite in chloroform  
Pure phosgene  
GA-simulant  
5% sulfur mustard in chloroform  
10% nitrogen mustard in chloroform  
Pure cyanogen chloride  
50% chloropicrin in chloroform

##### Glass bottles



##### **Could contain:**

Pure sulfur mustard  
Lewisite on charcoal  
Chloropicrin on charcoal  
Solid chloroacetophenone  
Sulfur mustard on charcoal  
Nitrogen mustard on charcoal  
Solid triphosgene  
Solid adamsite

For more information,  
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